

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060786.D
 Acq On : 23 Jan 2019 17:06
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:49:36 PM

Quant Time: Jan 24 06:01:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 05:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	644550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	886624	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	760732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	381637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.22	65	424012	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
35) Dibromofluoromethane	6.68	113	391568	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.90%	
50) Toluene-d8	10.19	98	927191	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	13.35	95	451036	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	407968	50.000	ug/l	100
3) Chloromethane	1.76	50	213818	50.030	ug/l	100
4) Vinyl Chloride	1.85	62	241977	50.000	ug/l	100
5) Bromomethane	2.14	94	69035	48.738	ug/l	100
6) Chloroethane	2.24	64	86729	50.000	ug/l	100
7) Trichlorofluoromethane	2.49	101	464827	50.000	ug/l	100
8) Diethyl Ether	2.81	74	54974	50.000	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.06	101	228709	49.687	ug/l	100
10) Methyl Iodide	3.22	142	247777	50.000	ug/l	100
11) Tert butyl alcohol	3.94	59	122585	250.000	ug/l	100
12) 1,1-Dichloroethene	3.04	96	159914	49.868	ug/l	100
13) Acrolein	2.96	56	45783	250.005	ug/l	100
14) Allyl chloride	3.49	41	341038	50.000	ug/l	100
15) Acrylonitrile	4.04	53	285233	250.000	ug/l	100
16) Acetone	3.13	43	295657	251.046	ug/l	100
17) Carbon Disulfide	3.29	76	528960	50.000	ug/l	100
18) Methyl Acetate	3.52	43	123928	50.000	ug/l	100
19) Methyl tert-butyl Ether	4.08	73	761733	50.142	ug/l	100
20) Methylene Chloride	3.68	84	311189	50.000	ug/l	100
21) trans-1,2-Dichloroethene	4.06	96	305775	50.000	ug/l	100
22) Diisopropyl ether	4.89	45	1047190	50.000	ug/l	100
23) Vinyl Acetate	4.83	43	3007216	250.924	ug/l	100
24) 1,1-Dichloroethane	4.77	63	632562	50.000	ug/l	100
25) 2-Butanone	5.84	43	461780	250.000	ug/l	100
26) 2,2-Dichloropropane	5.79	77	628241	50.113	ug/l	100
27) cis-1,2-Dichloroethene	5.80	96	316751	50.122	ug/l	100
28) Bromochloromethane	6.20	49	257232	50.101	ug/l	100
29) Tetrahydrofuran	6.23	42	222456	250.000	ug/l	100
30) Chloroform	6.42	83	739198	50.000	ug/l	100
31) Cyclohexane	6.72	56	465887	50.000	ug/l	100
32) 1,1,1-Trichloroethane	6.63	97	696767	50.076	ug/l	100
36) 1,1-Dichloropropene	6.90	75	508575	49.852	ug/l	100
37) Ethyl Acetate	5.95	43	211477	49.877	ug/l	100
38) Carbon Tetrachloride	6.87	117	628646	50.000	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	454754	50.000	ug/l	100
40) Benzene	7.22	78	1040058	50.000	ug/l	100
41) Methacrylonitrile	6.21	41	158642m	50.100	ug/l	
42) 1,2-Dichloroethane	7.34	62	565581	50.118	ug/l	100
43) Isopropyl Acetate	9.01	43	325617	50.000	ug/l	100
44) Trichloroethene	8.30	130	368947	50.000	ug/l	100
45) 1,2-Dichloropropane	8.70	63	269889	50.000	ug/l	100
46) Dibromomethane	8.83	93	220769	50.000	ug/l	100
47) Bromodichloromethane	9.15	83	543830	50.000	ug/l	100
48) Methyl methacrylate	8.89	41	219723	50.000	ug/l	100
49) 1,4-Dioxane	8.85	88	37097	1000.000	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	1070966	250.000	ug/l	100
52) Toluene	10.29	92	650897	50.000	ug/l	100
53) t-1,3-Dichloropropene	10.69	75	532189	50.002	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	505501	50.000	ug/l	100
55) 1,1,2-Trichloroethane	10.97	97	230931	50.000	ug/l	100
56) Ethyl methacrylate	10.82	69	267984	50.000	ug/l	100
57) 1,3-Dichloropropane	11.19	76	404313	49.970	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.63	63	757055	250.000	ug/l	100
59) 2-Hexanone	11.32	43	790206	250.000	ug/l	100
60) Dibromochloromethane	11.47	129	366109	49.998	ug/l	100
61) 1,2-Dibromoethane	11.59	107	261899	50.000	ug/l	100
64) Tetrachloroethene	11.04	164	333156	50.000	ug/l	100
65) Chlorobenzene	12.19	112	762454	50.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.31	131	339358	50.000	ug/l	100
67) Ethyl Benzene	12.32	91	1420739	50.000	ug/l	100
68) m/p-Xylenes	12.46	106	929380	99.805	ug/l	100
69) o-Xylene	12.85	106	437307	50.000	ug/l	100
70) Styrene	12.87	104	770153	50.000	ug/l	100
71) Bromoform	13.03	173	250495	50.000	ug/l	100
73) Isopropylbenzene	13.20	105	1401298	50.000	ug/l	100
74) N-amyl acetate	13.06	43	443906	50.000	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.50	83	260369	50.000	ug/l	100
76) 1,2,3-Trichloropropane	13.54	75	315929	49.919	ug/l	100
77) Bromobenzene	13.47	156	378985	50.000	ug/l	100
78) n-propylbenzene	13.58	91	1756152	50.000	ug/l	100
79) 2-Chlorotoluene	13.63	91	1018676	50.000	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	1199555	50.000	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	87391	50.000	ug/l	100
82) 4-Chlorotoluene	13.74	91	1179696	50.000	ug/l	100
83) tert-Butylbenzene	13.99	119	1233939	50.000	ug/l	100
84) 1,2,4-Trimethylbenzene	14.04	105	1199555	50.000	ug/l	100
85) sec-Butylbenzene	14.17	105	1502906	50.000	ug/l	100
86) p-Isopropyltoluene	14.29	119	1236614	50.000	ug/l	100
87) 1,3-Dichlorobenzene	14.25	146	629863	50.000	ug/l	100
88) 1,4-Dichlorobenzene	14.33	146	644759	50.000	ug/l	100
89) n-Butylbenzene	14.60	91	1162630	50.000	ug/l	100
90) Hexachloroethane	14.81	117	363348	50.000	ug/l	100
91) 1,2-Dichlorobenzene	14.61	146	520743	50.000	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.18	75	63672	50.000	ug/l	100

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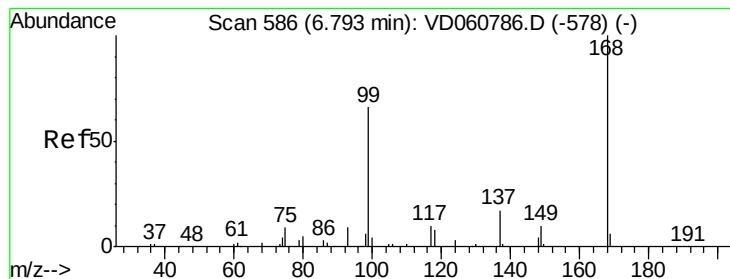
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	474265	50.075	ug/l	100
94) Hexachlorobutadiene	15.84	225	357771	50.000	ug/l	100
95) Naphthalene	15.93	128	721737	50.000	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	405287	50.000	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 644550

Ion Ratio Lower Upper

168 100

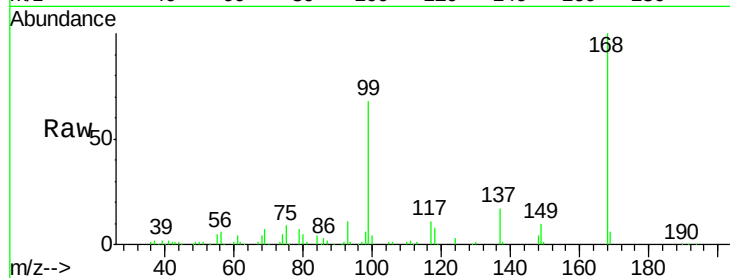
99 68.2 54.6 81.8

Manual Integrations

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1/24/2019 12:49:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.79

250000

200000

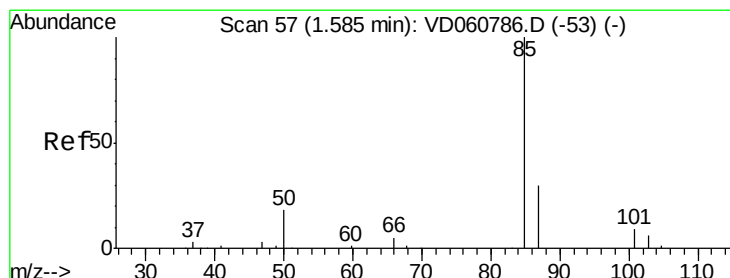
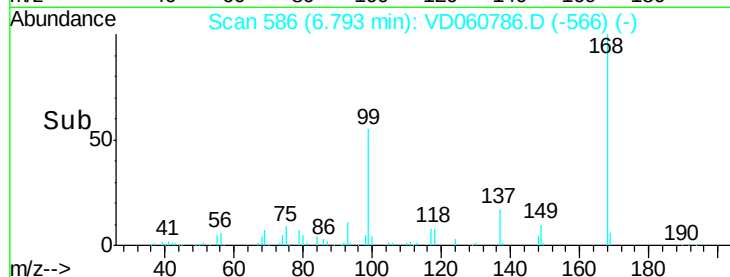
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90 7.00



#2

Dichlorodifluoromethane

Concen: 50.000 ug/l

RT: 1.58 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060786.D

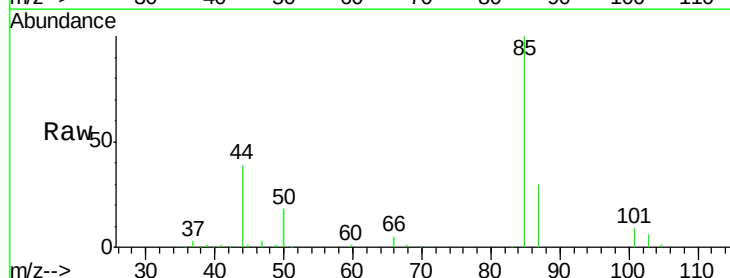
Acq: 23 Jan 2019 17:06

Tgt Ion: 85 Resp: 407968

Ion Ratio Lower Upper

85 100

87 29.8 14.9 44.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

120000

100000

80000

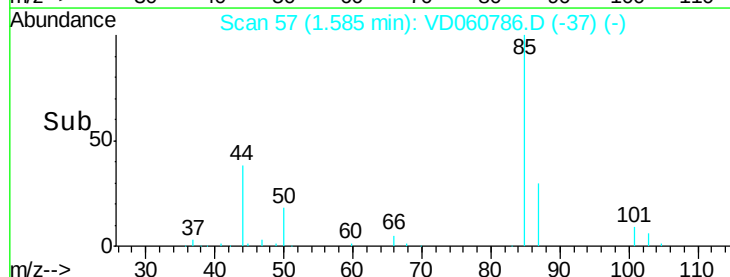
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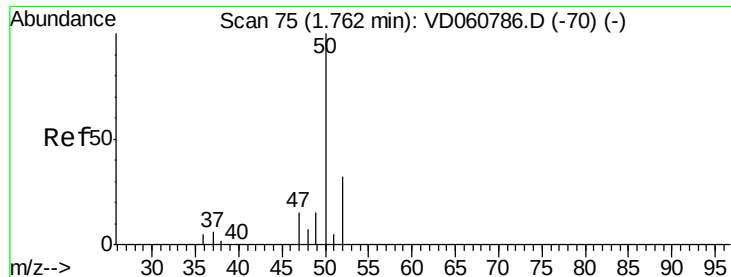
40000

20000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 50.030 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 213818

Ion Ratio Lower Upper

50 100

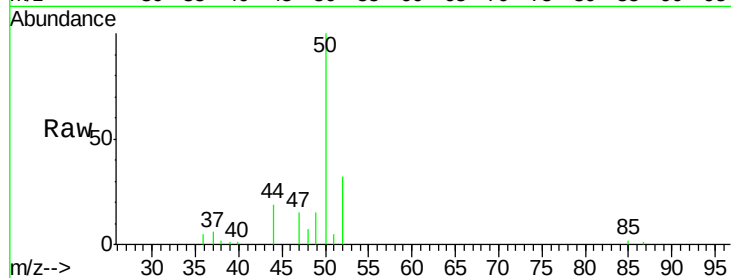
52 32.2 25.8 38.6

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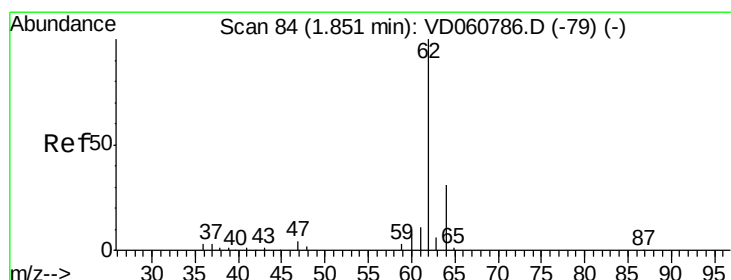
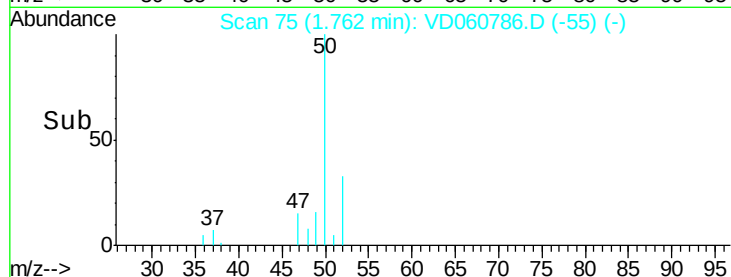
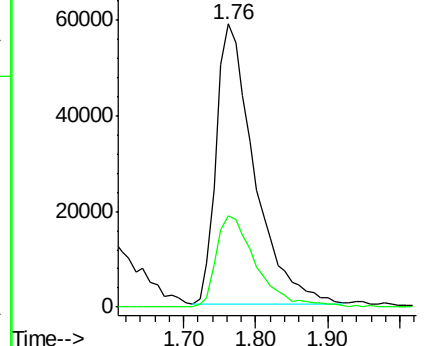
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.000 ug/l

RT: 1.85 min Scan# 84

Delta R.T. 0.00 min

Lab File: VD060786.D

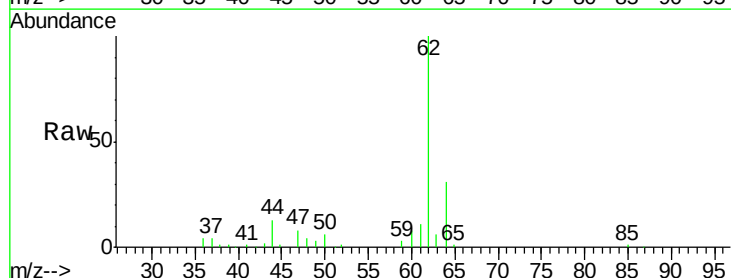
Acq: 23 Jan 2019 17:06

Tgt Ion: 62 Resp: 241977

Ion Ratio Lower Upper

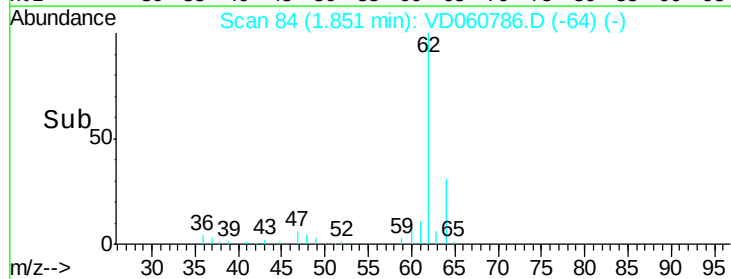
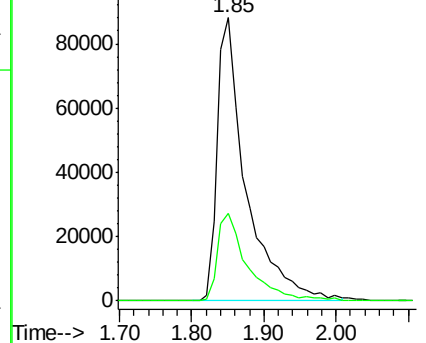
62 100

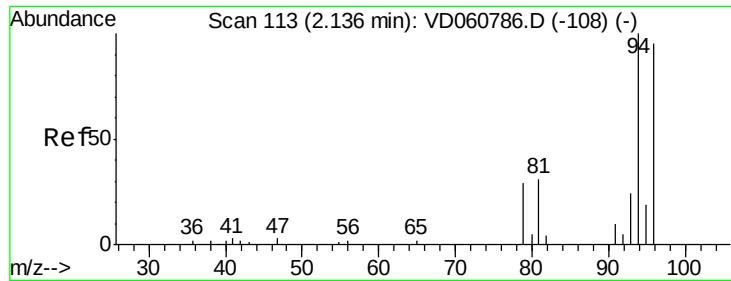
64 30.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 48.738 ug/l

RT: 2.14 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 69035

Ion Ratio Lower Upper

94 100

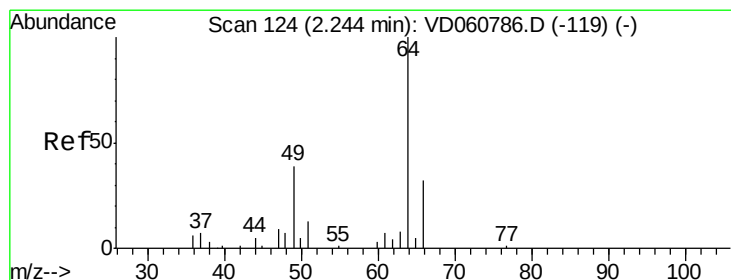
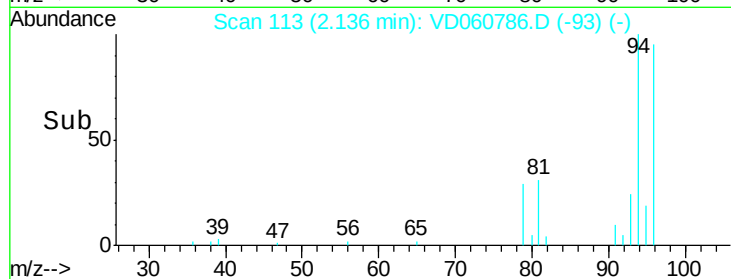
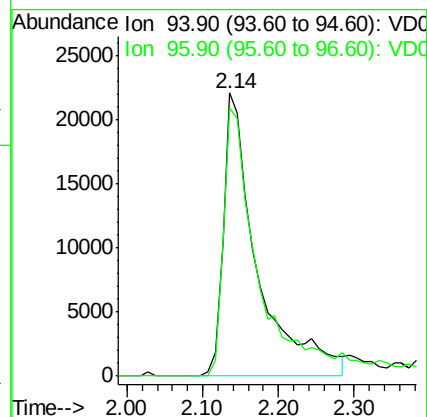
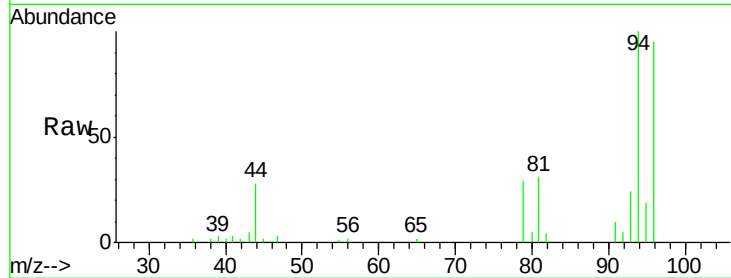
96 94.9 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 50.000 ug/l

RT: 2.24 min Scan# 124

Delta R.T. 0.00 min

Lab File: VD060786.D

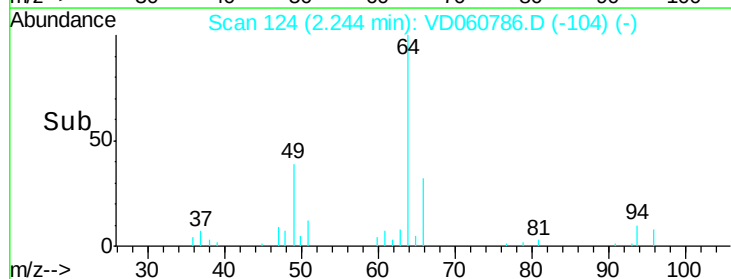
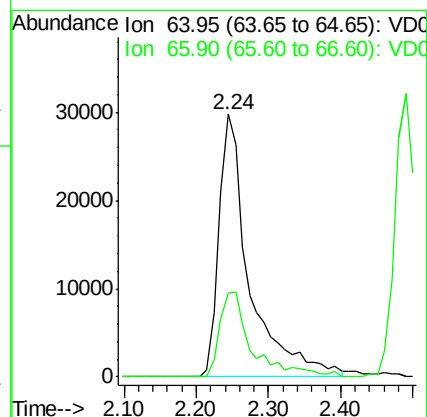
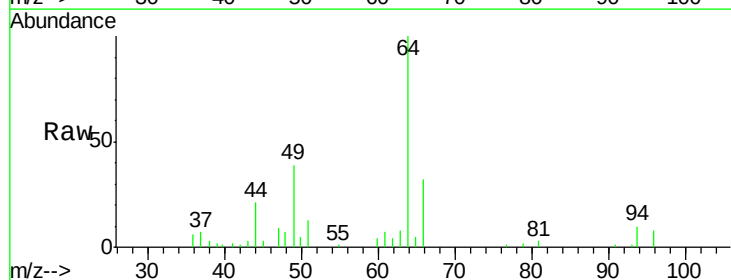
Acq: 23 Jan 2019 17:06

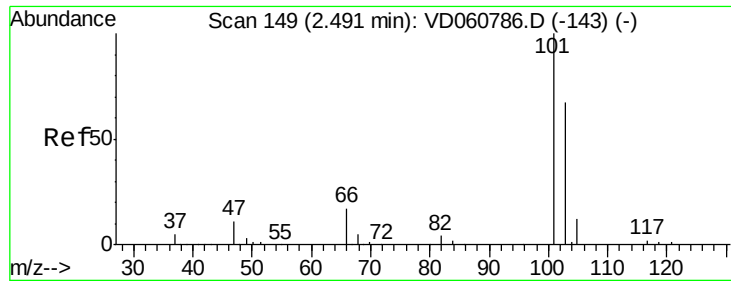
Tgt Ion: 64 Resp: 86729

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

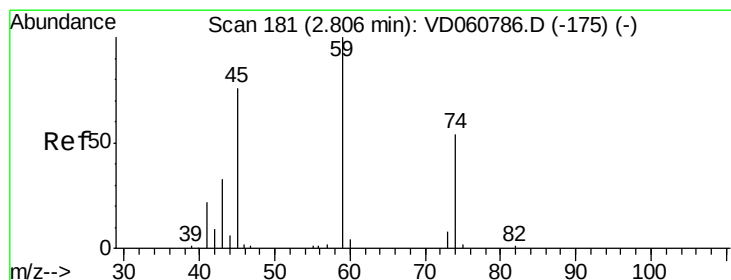
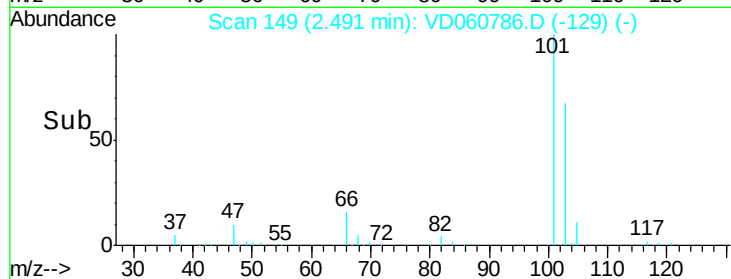
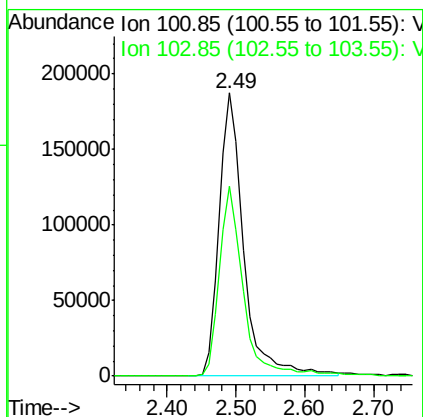
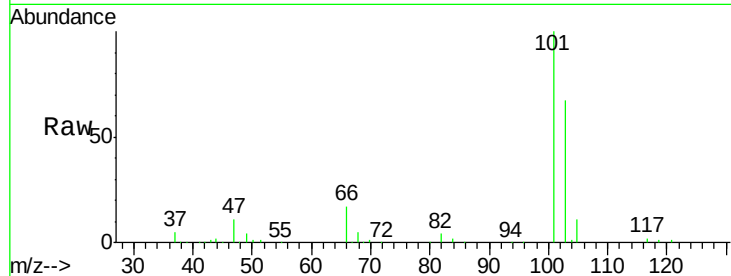
Trichlorofluoromethane
Concen: 50.000 ug/l
RT: 2.49 min Scan# 149
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	53.6	80.4

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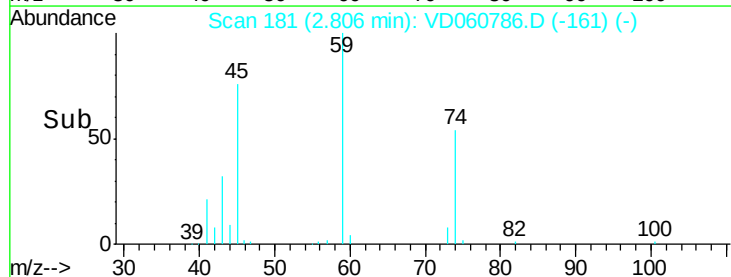
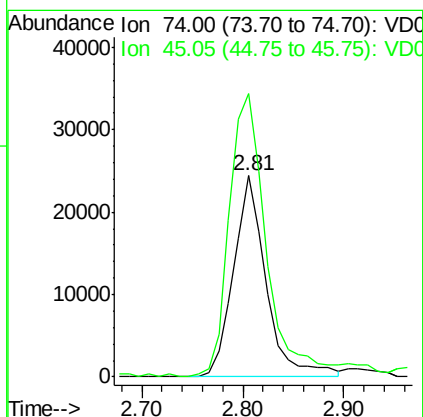
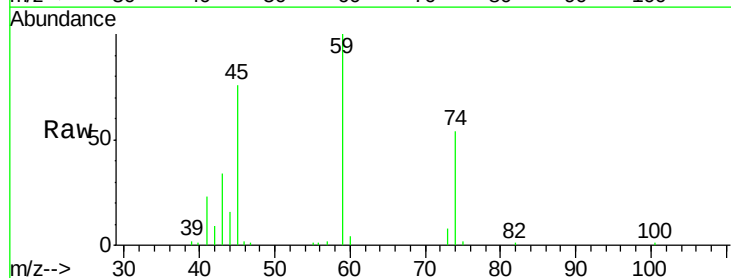
MMDadoda
1/24/2019 12:49:36 PM

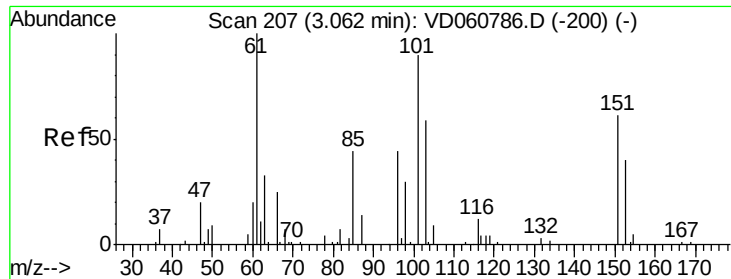


#8

Diethyl Ether
Concen: 50.000 ug/l
RT: 2.81 min Scan# 181
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.9	70.5	211.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.687 ug/l

RT: 3.06 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

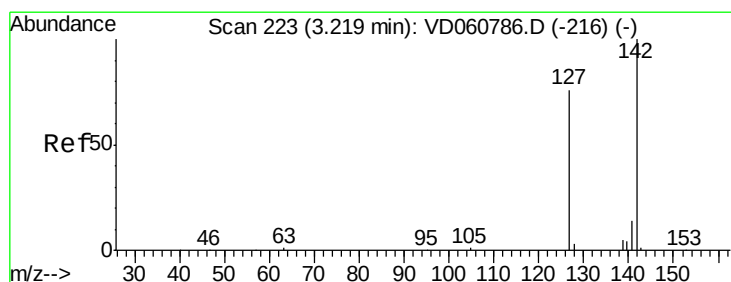
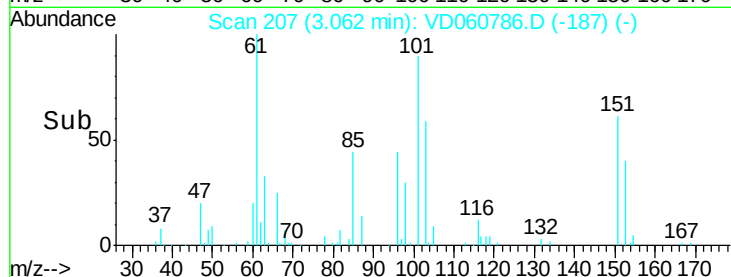
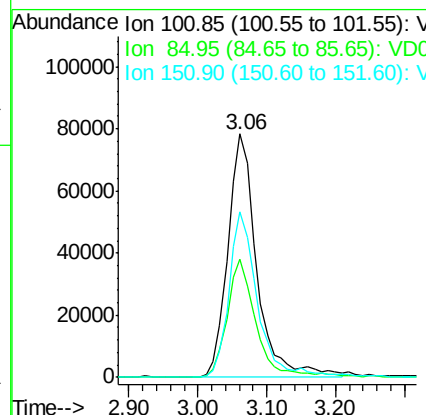
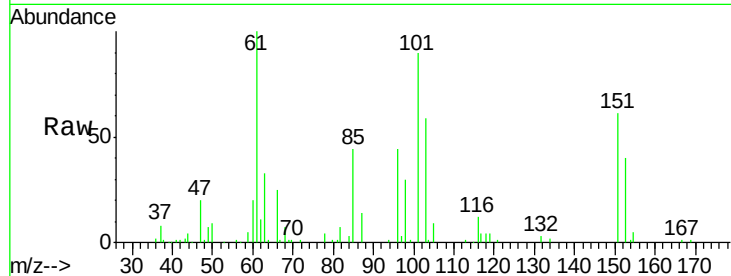
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	228709
Ion Ratio	Lower	Upper	
101	100		
85	48.7	39.0	58.4
151	68.1	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 50.000 ug/l

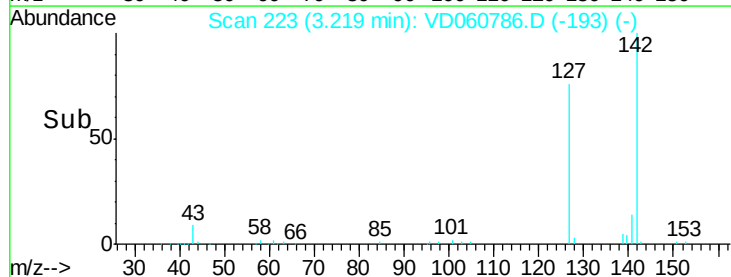
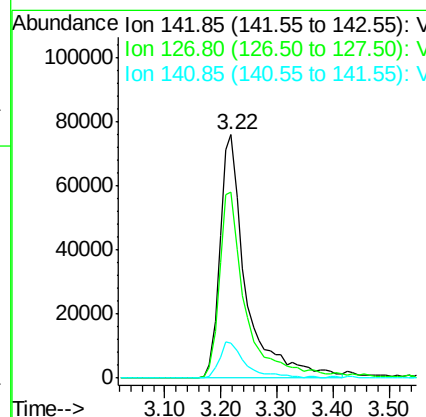
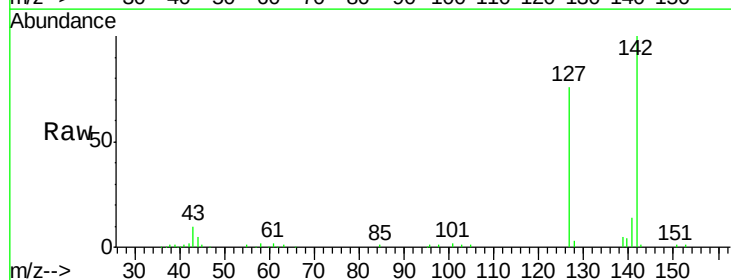
RT: 3.22 min Scan# 223

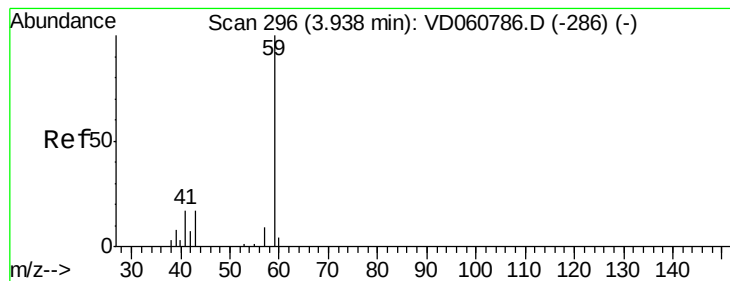
Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion:	142	Resp:	247777
Ion Ratio	Lower	Upper	
142	100		
127	76.3	61.0	91.6
141	14.4	11.5	17.3





#11

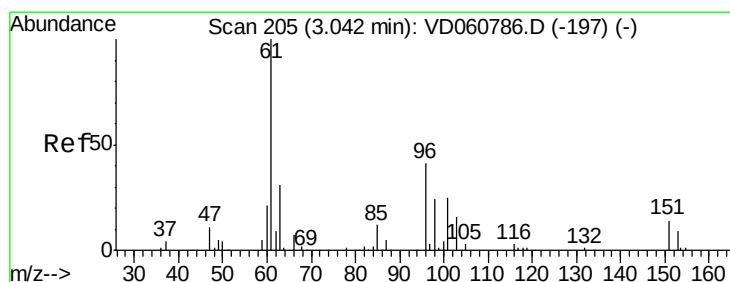
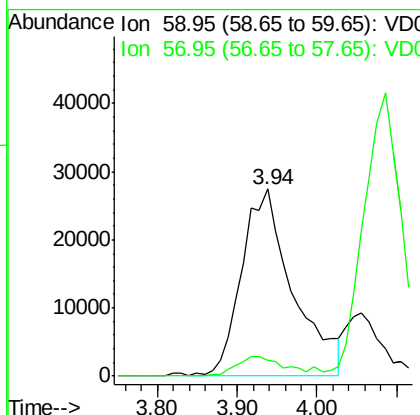
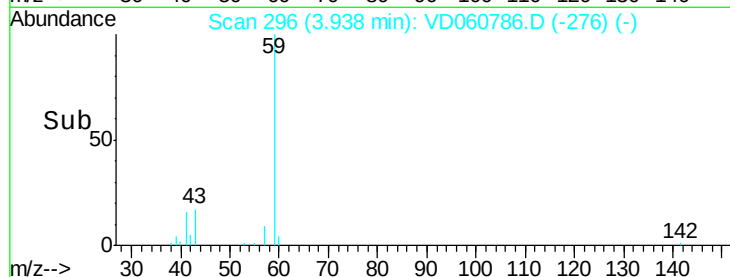
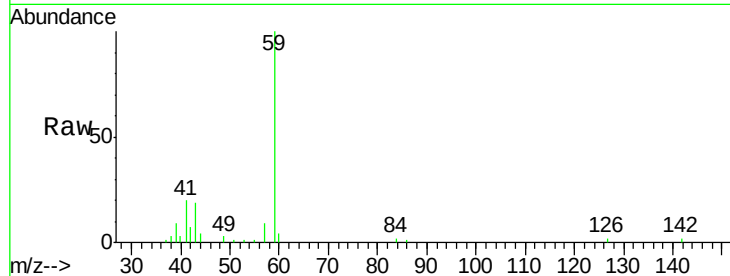
Tert butyl alcohol
Concen: 250.000 ug/l
RT: 3.94 min Scan# 296
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	122585		
57	8.8		7.0	10.6

Manual Integrations
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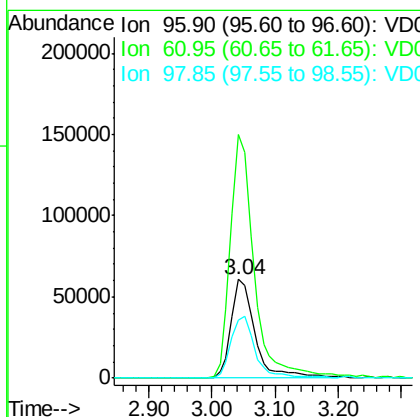
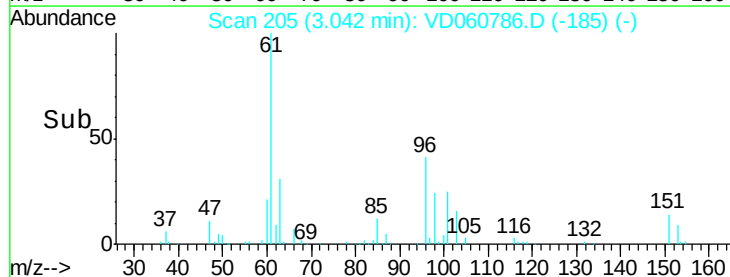
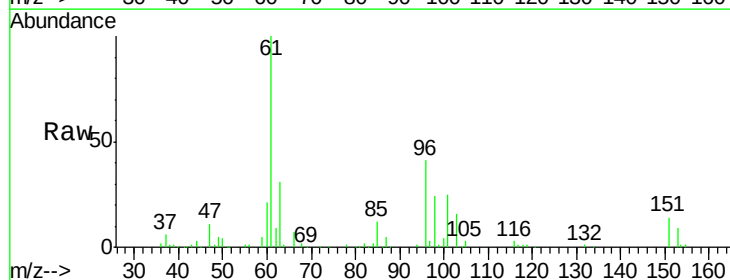
MMDadoda
1/24/2019 12:49:36 PM

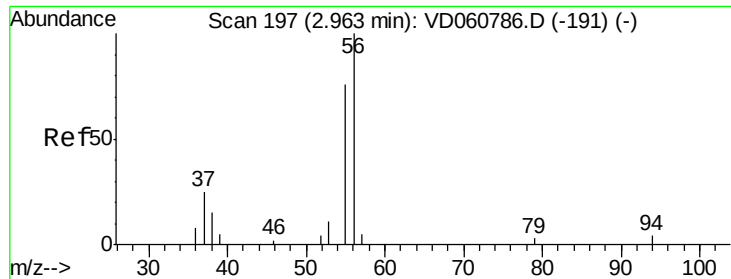


#12

1,1-Dichloroethene
Concen: 49.868 ug/l
RT: 3.04 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	159914		
61	246.1		196.9	295.3
98	58.2		46.6	69.8





#13

Acrolein

Concen: 250.005 ug/l

RT: 2.96 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 45783

Ion Ratio Lower Upper

56 100

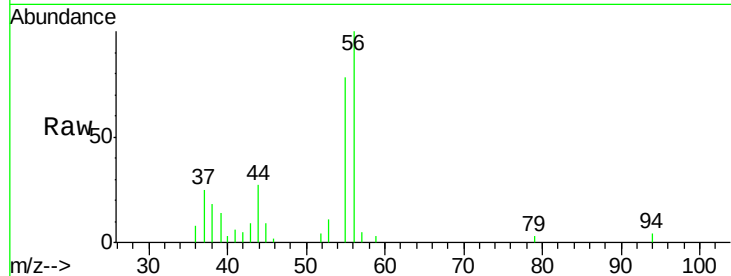
55 77.8 62.2 93.4

Manual Integrations

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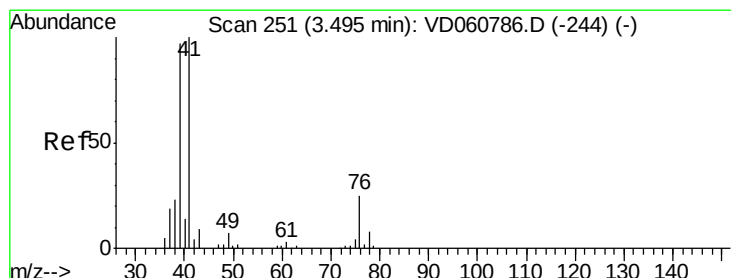
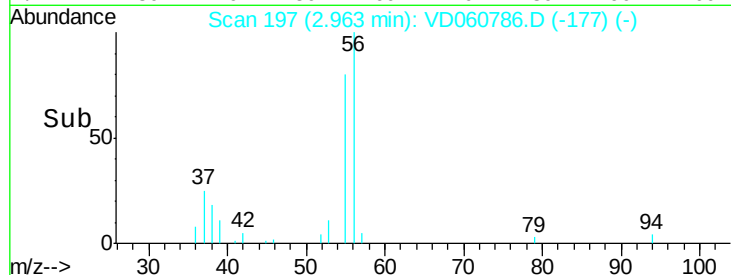
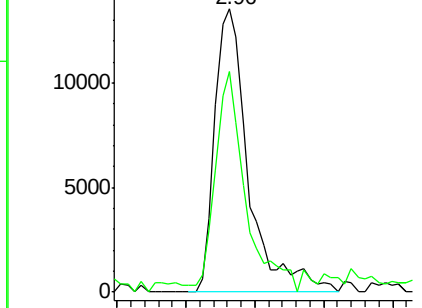
MMDadoda

1/24/2019 12:49:36 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.000 ug/l

RT: 3.49 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

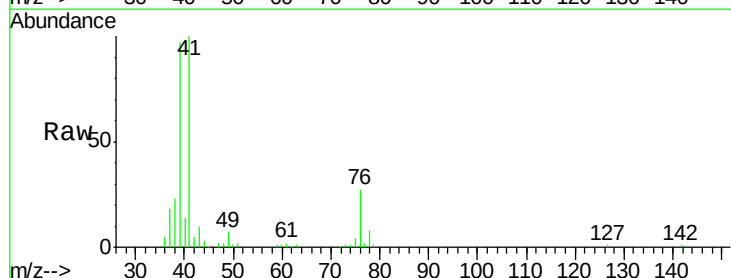
Tgt Ion: 41 Resp: 341038

Ion Ratio Lower Upper

41 100

39 97.1 77.7 116.5

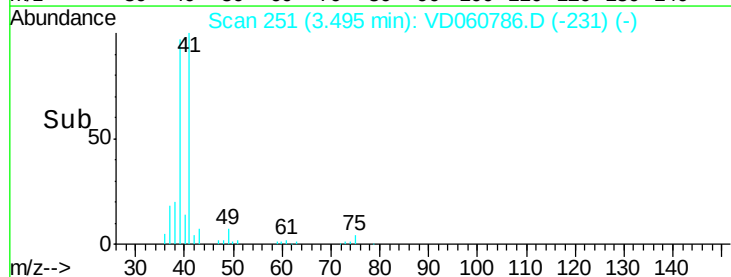
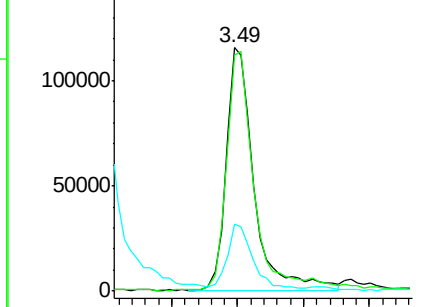
76 27.3 21.8 32.8

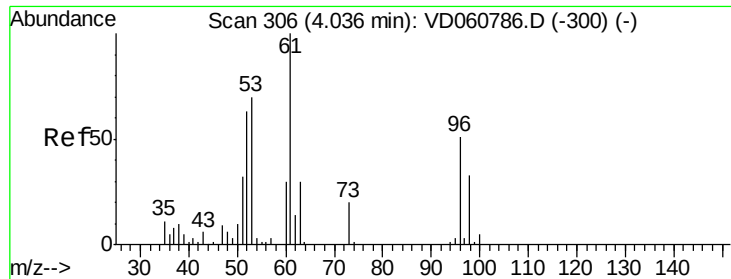


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 250.000 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

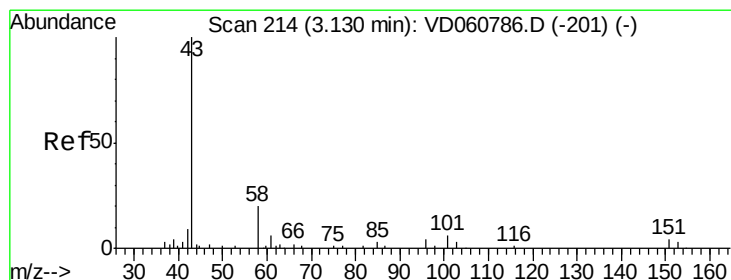
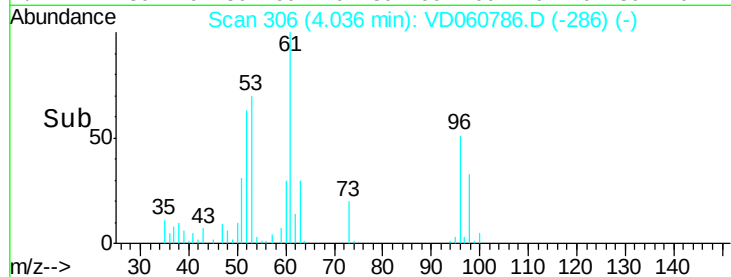
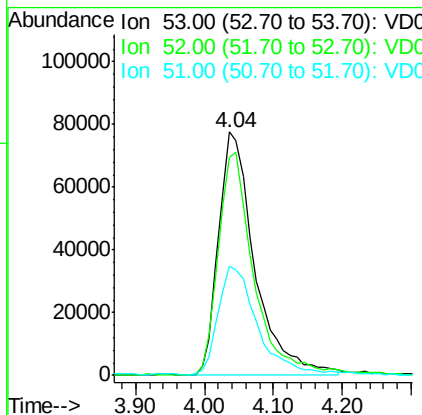
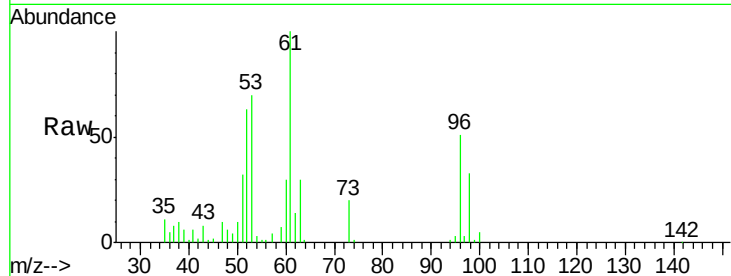
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	285233
Ion	Ratio	Lower	Upper
53	100		
52	89.5	71.6	107.4
51	45.0	36.0	54.0

Manual Integrations
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#16

Acetone

Concen: 251.046 ug/l

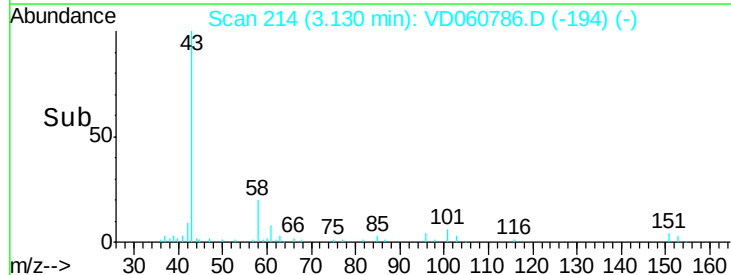
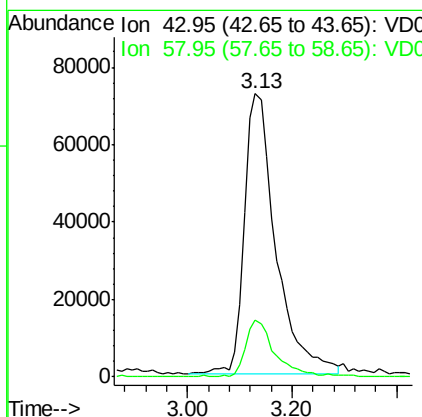
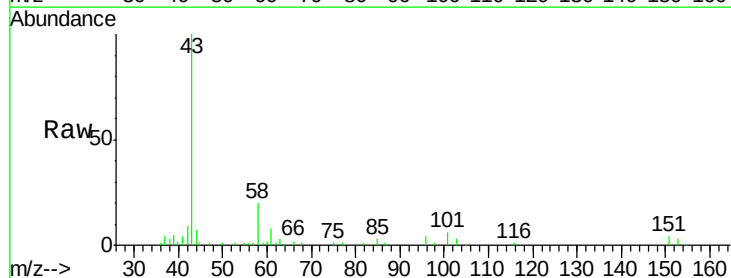
RT: 3.13 min Scan# 214

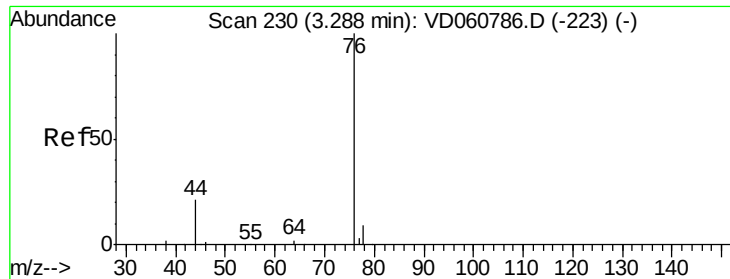
Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion:	43	Resp:	295657
Ion	Ratio	Lower	Upper
43	100		
58	20.0	16.0	24.0





#17

Carbon Disulfide

Concen: 50.000 ug/l

RT: 3.29 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 528960

Ion Ratio Lower Upper

76 100

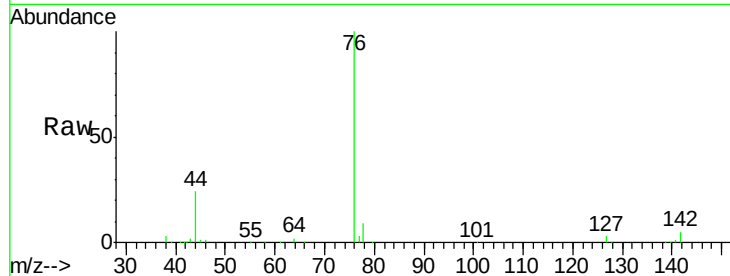
78 9.2 7.4 11.0

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

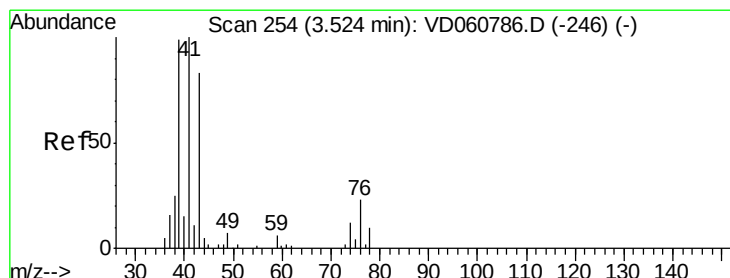
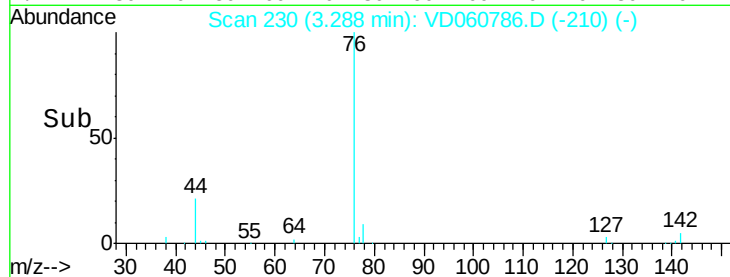
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 50.000 ug/l

RT: 3.52 min Scan# 254

Delta R.T. 0.00 min

Lab File: VD060786.D

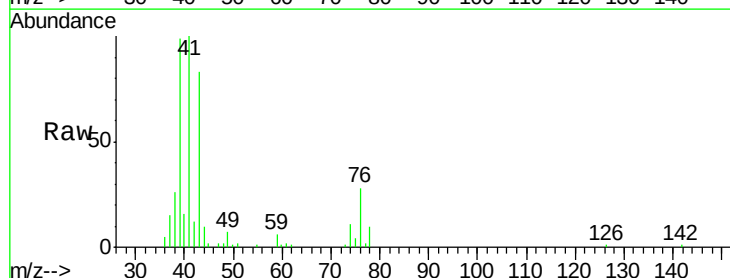
Acq: 23 Jan 2019 17:06

Tgt Ion: 43 Resp: 123928

Ion Ratio Lower Upper

43 100

74 13.5 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

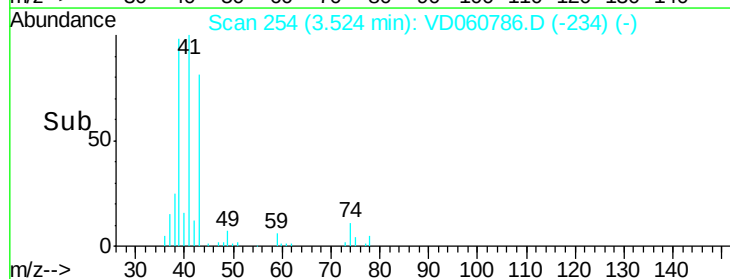
20000

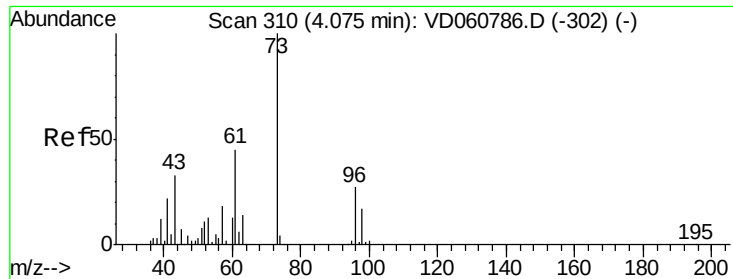
10000

0

3.40 3.50 3.60 3.70

Time-->





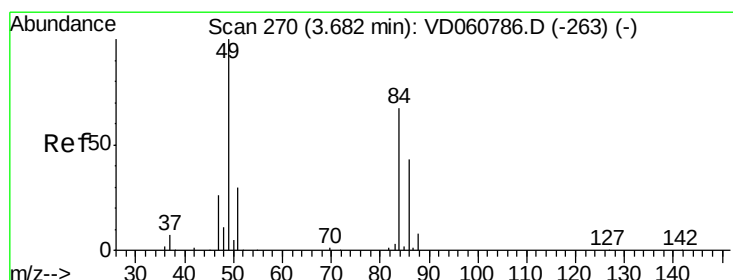
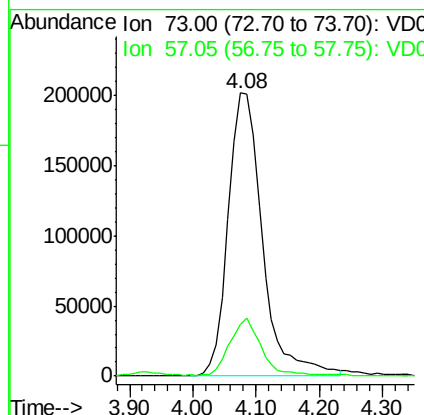
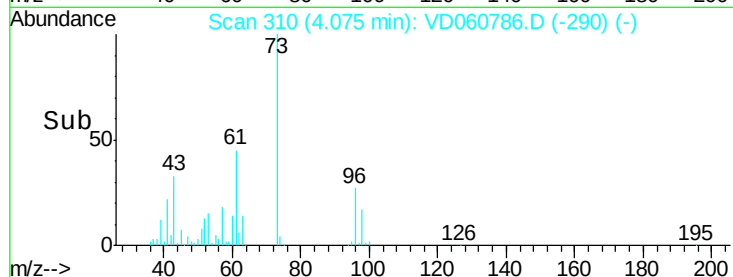
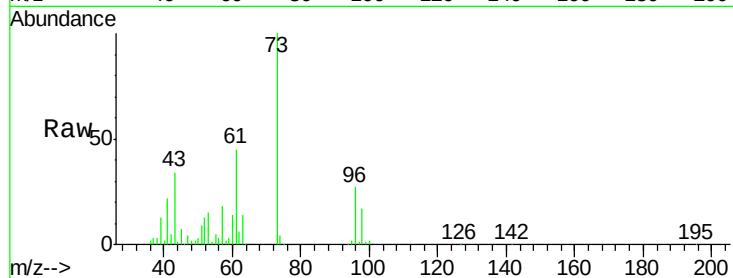
#19
Methyl tert-butyl Ether
Concen: 50.142 ug/l
RT: 4.08 min Scan# 310
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 761733
Ion Ratio Lower Upper
73 100
57 18.4 14.7 22.1

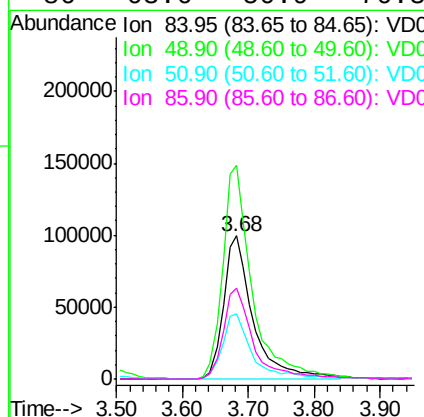
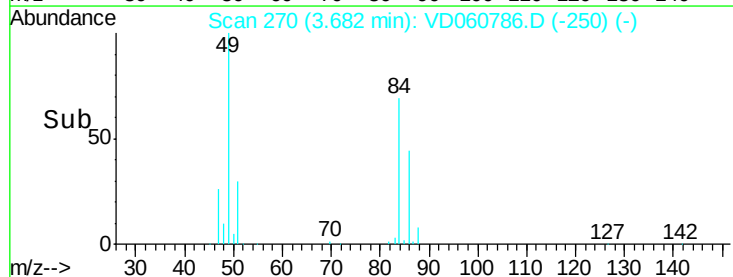
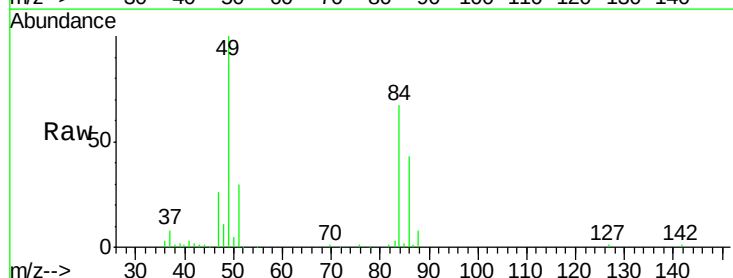
Manual Integrations
APPROVED

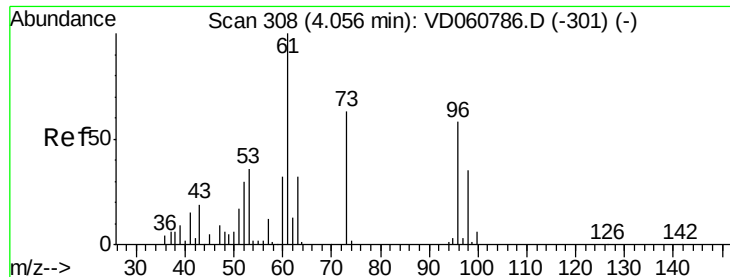
MMDadoda
1/24/2019 12:49:36 PM



#20
Methylene Chloride
Concen: 50.000 ug/l
RT: 3.68 min Scan# 270
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion: 84 Resp: 311189
Ion Ratio Lower Upper
84 100
49 149.5 119.6 179.4
51 45.3 36.2 54.4
86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.000 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 305775

Ion Ratio Lower Upper

96 100

61 173.5 138.8 208.2

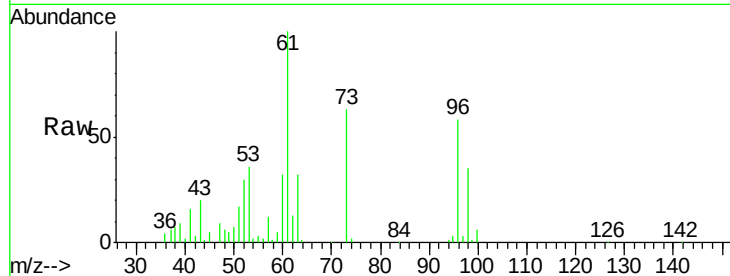
98 60.9 48.7 73.1

Manual Integrations

APPROVED

MMDadoda

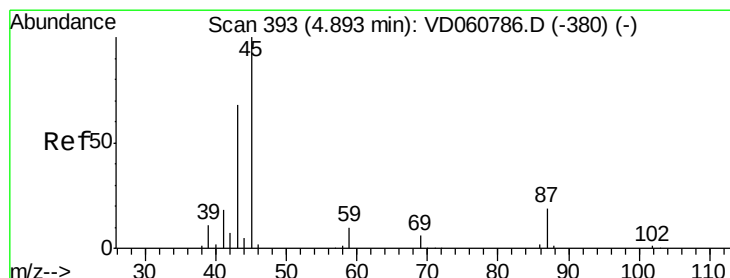
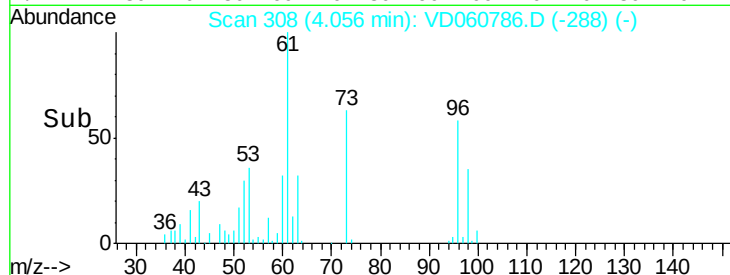
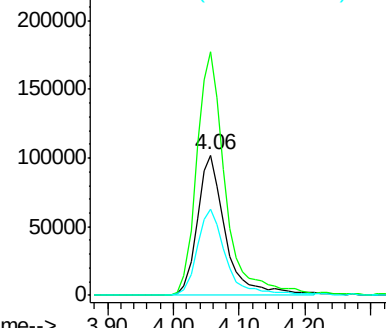
1/24/2019 12:49:36 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.000 ug/l

RT: 4.89 min Scan# 393

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion: 45 Resp: 1047190

Ion Ratio Lower Upper

45 100

43 68.5 54.8 82.2

87 19.4 15.5 23.3

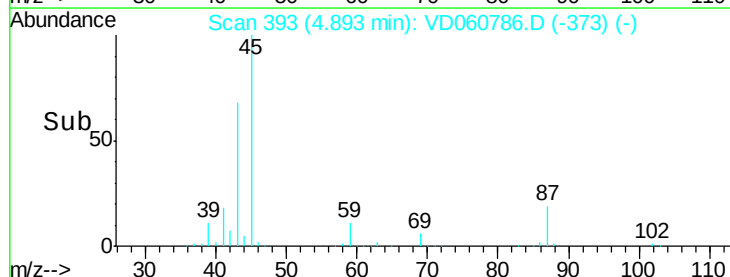
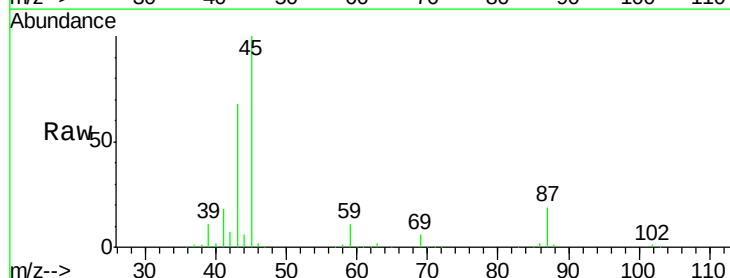
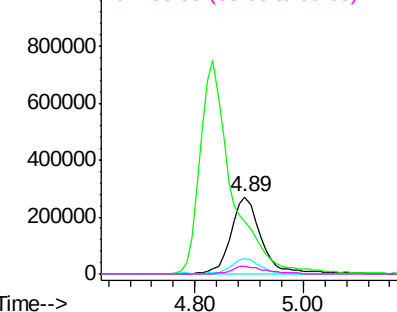
59 10.5 8.4 12.6

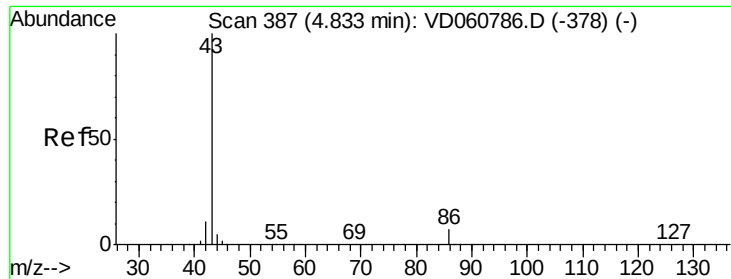
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 250.924 ug/l

RT: 4.83 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3007216

Ion Ratio Lower Upper

43 100

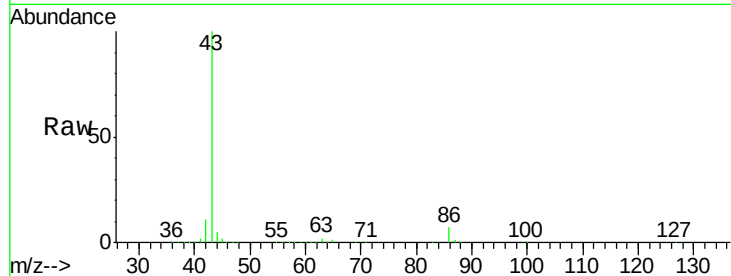
86 6.6 5.3 7.9

Manual Integrations

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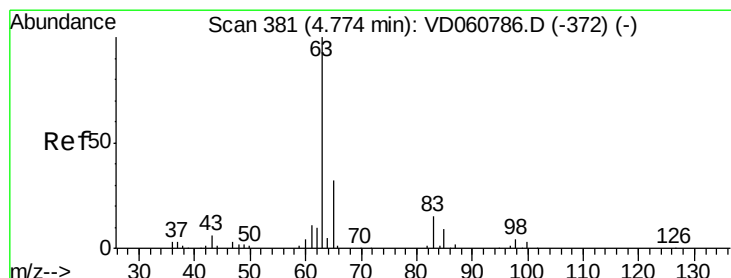
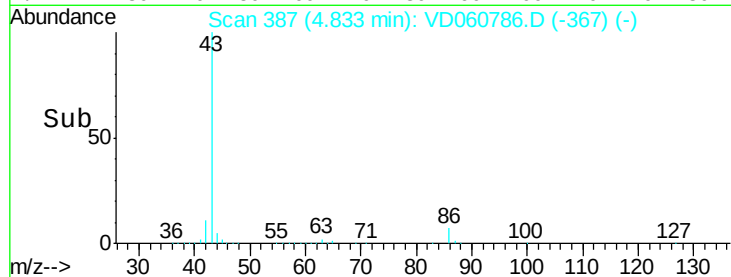
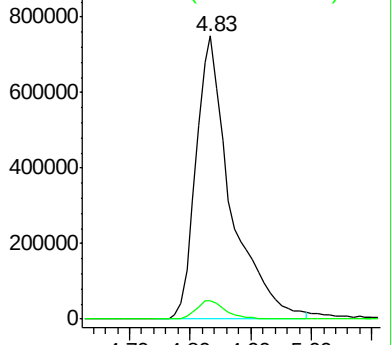
MMDadoda

1/24/2019 12:49:36 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.000 ug/l

RT: 4.77 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

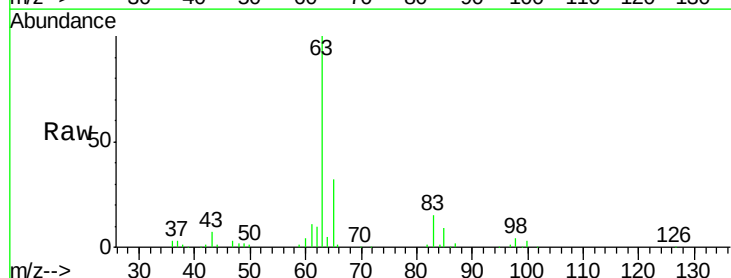
Tgt Ion: 63 Resp: 632562

Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

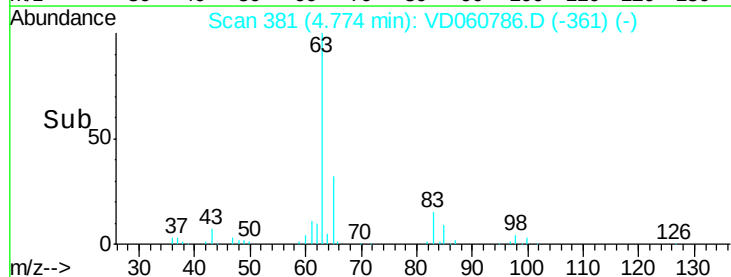
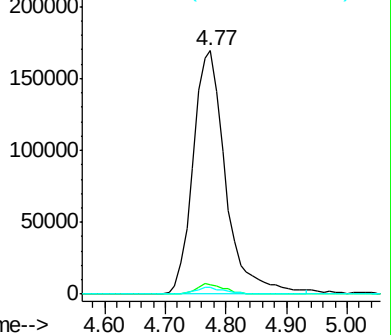
100 2.9 1.5 4.4

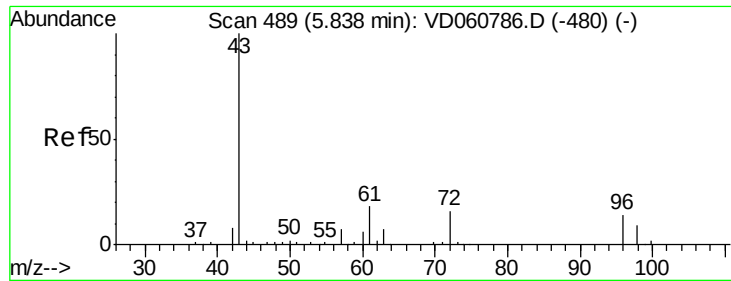


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 250.000 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 461780

Ion Ratio Lower Upper

43 100

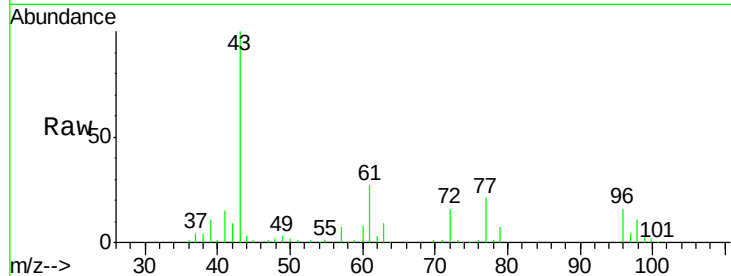
72 16.4 13.1 19.7

Manual Integrations

APPROVED

MMDadoda

1/24/2019 12:49:36 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

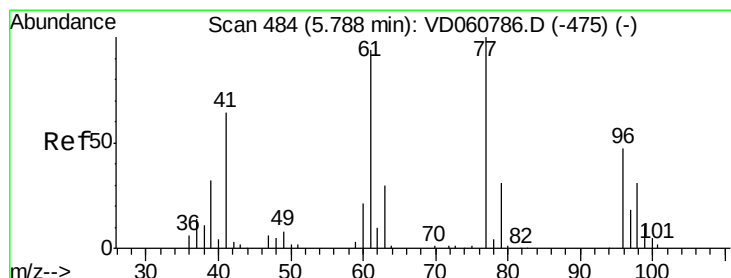
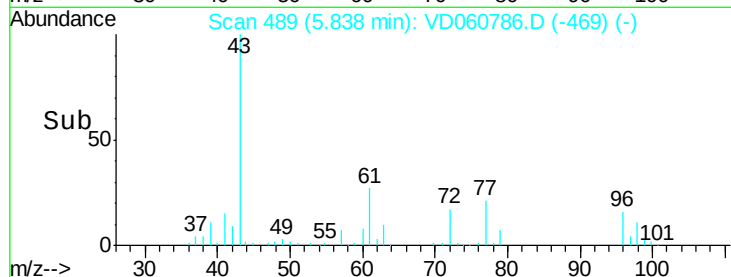
100000

50000

0

5.70 5.80 5.90

Time-->



#26

2,2-Dichloropropane

Concen: 50.113 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD060786.D

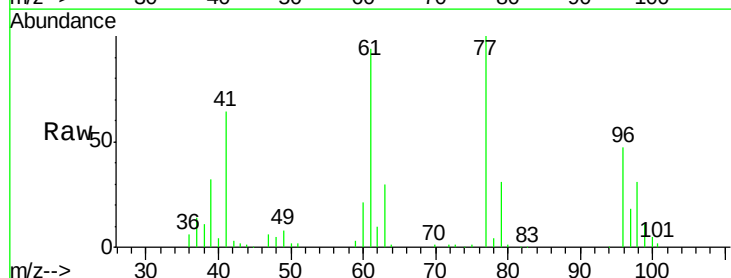
Acq: 23 Jan 2019 17:06

Tgt Ion: 77 Resp: 628241

Ion Ratio Lower Upper

77 100

97 18.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

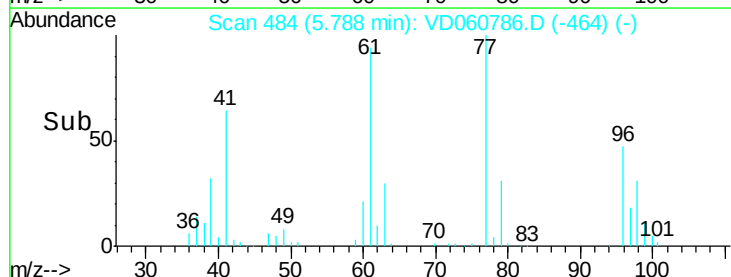
100000

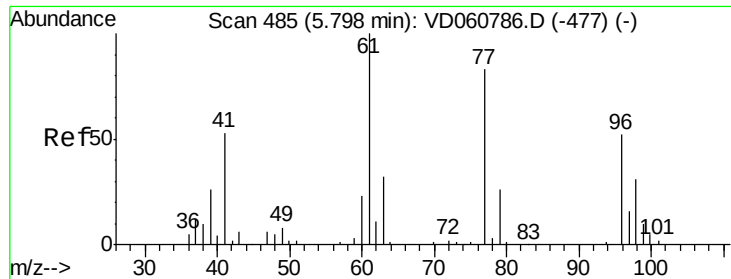
50000

0

5.60 5.70 5.80 5.90 6.00

Time-->





#27

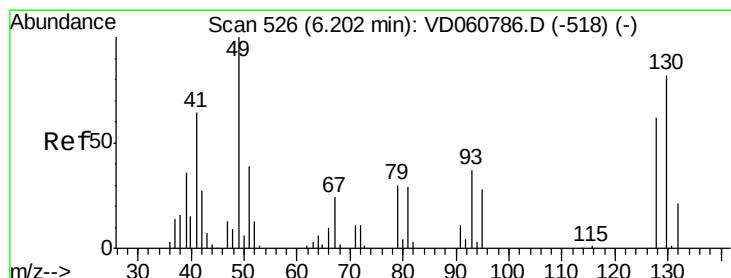
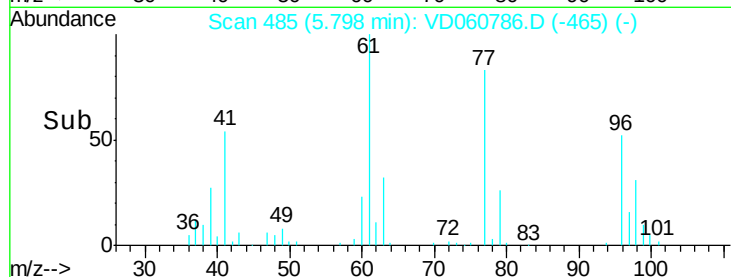
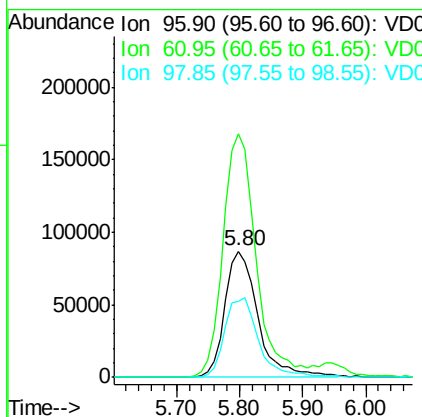
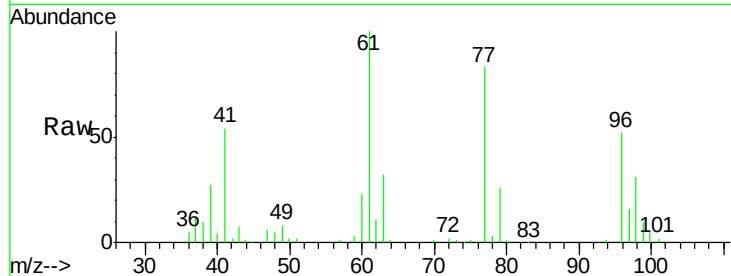
cis-1,2-Dichloroethene
Concen: 50.122 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	316751		
61	192.6	0.0	385.2	
98	60.3	0.0	120.6	

Manual Integrations
APPROVED

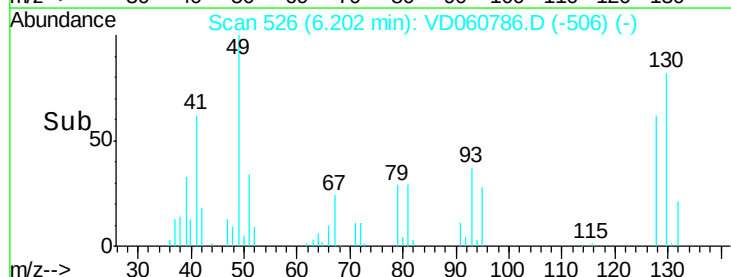
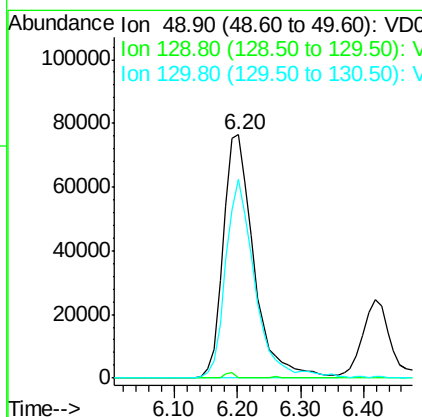
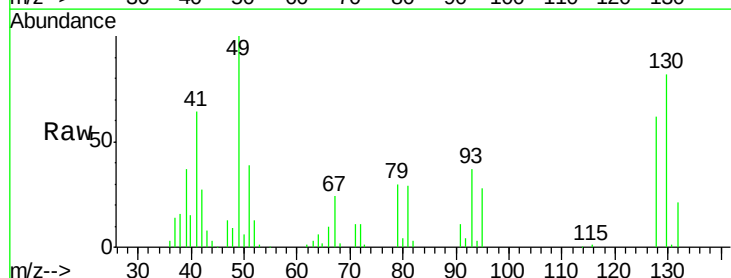
MMDadoda
1/24/2019 12:49:36 PM

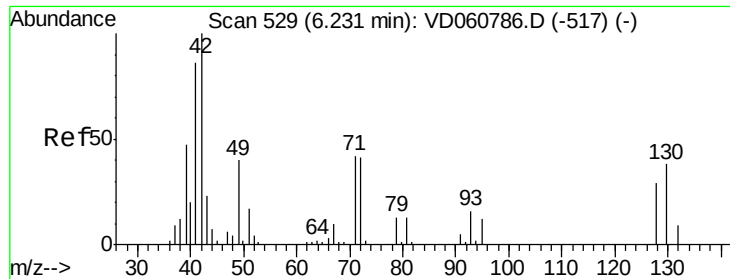


#28

Bromochloromethane
Concen: 50.101 ug/l
RT: 6.20 min Scan# 526
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	257232		
129	0.0	0.0	0.0	
130	81.8	65.4	98.2	





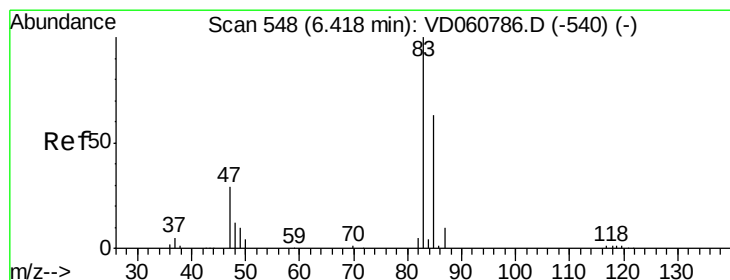
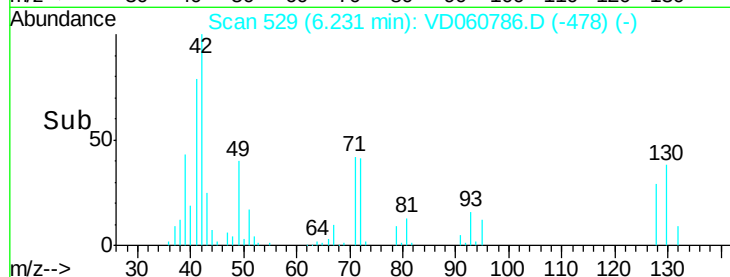
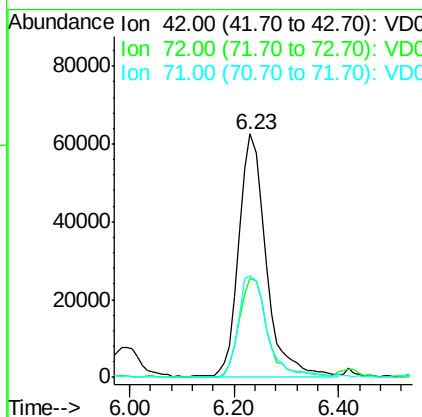
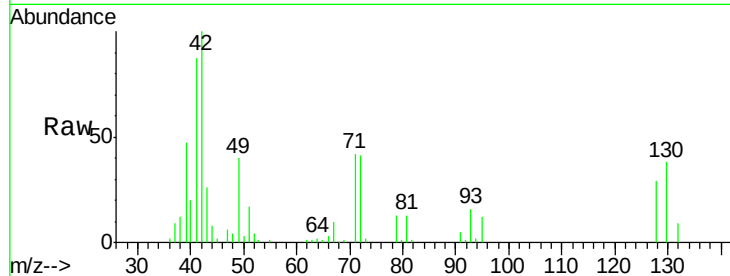
#29
Tetrahydrofuran
Concen: 250.000 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.6	50.4
71	43.2	34.6	51.8

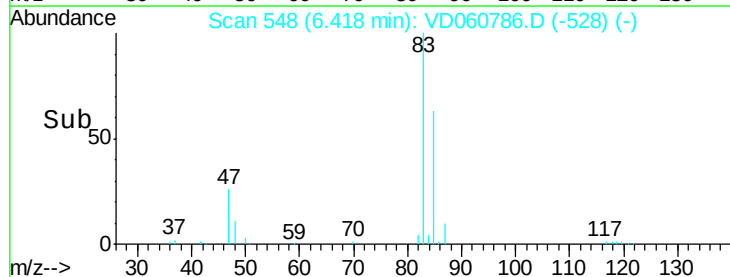
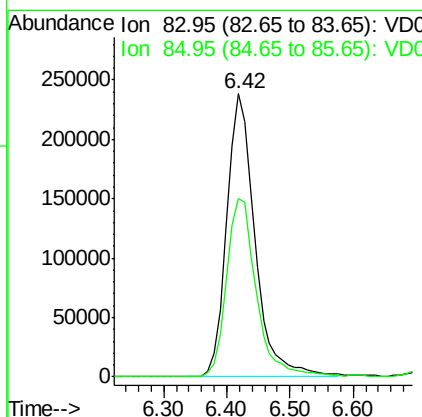
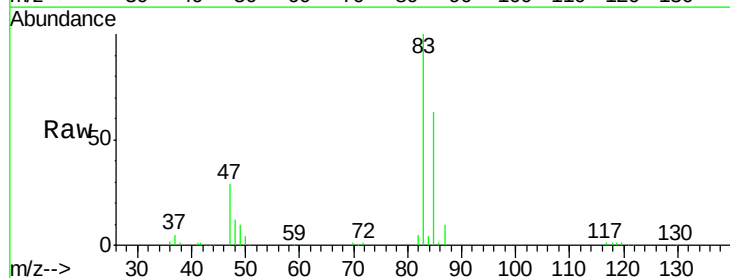
Manual Integrations
APPROVED

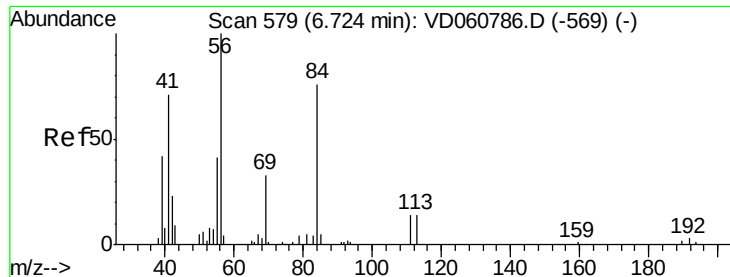
MMDadoda
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#30
Chloroform
Concen: 50.000 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.3	75.5





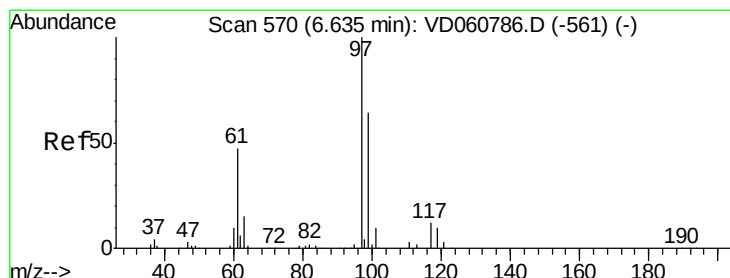
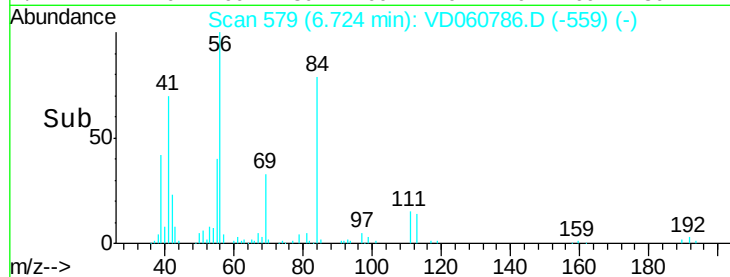
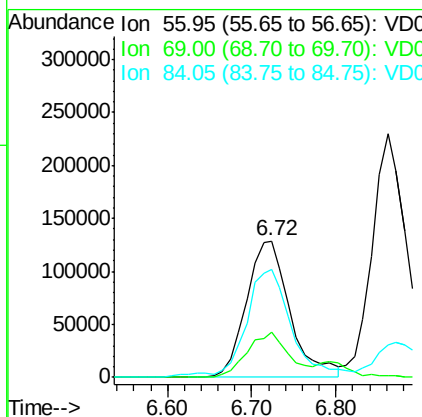
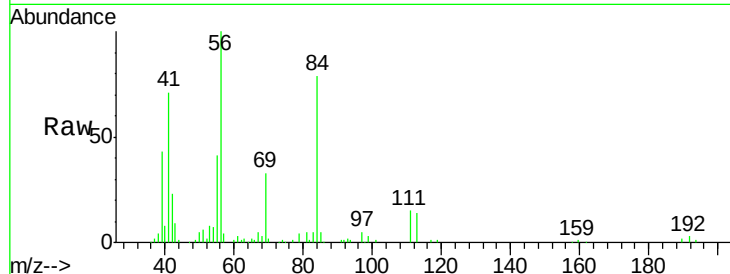
#31
Cyclohexane
Concen: 50.000 ug/l
RT: 6.72 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.2
84	78.8	63.0	94.6

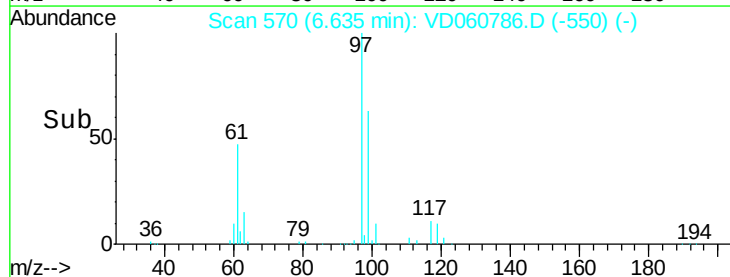
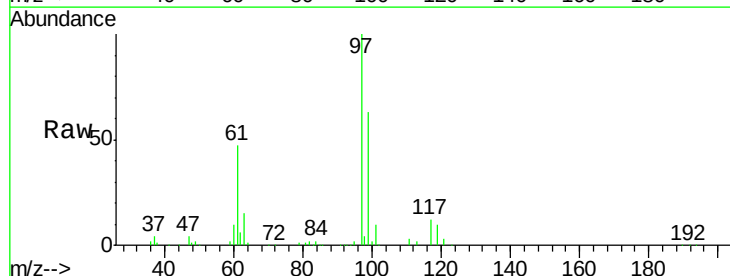
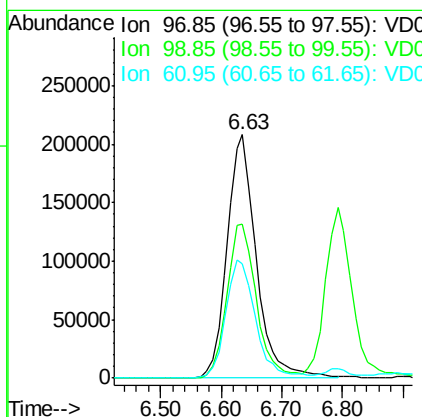
Manual Integrations
APPROVED

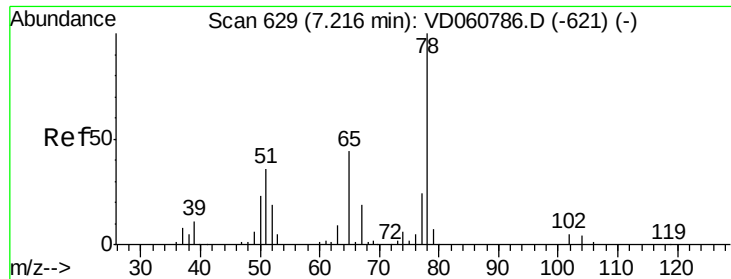
MMDadoda
1/24/2019 12:49:36 PM



#32
1,1,1-Trichloroethane
Concen: 50.076 ug/l
RT: 6.63 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	47.1	37.7	56.5





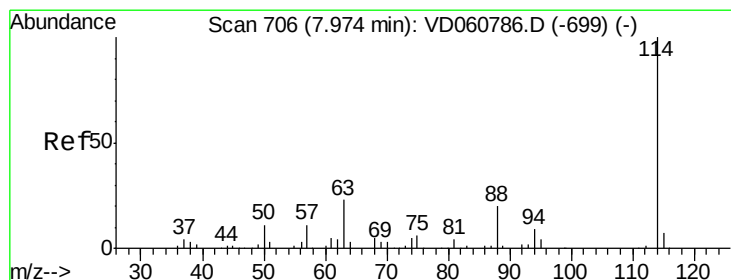
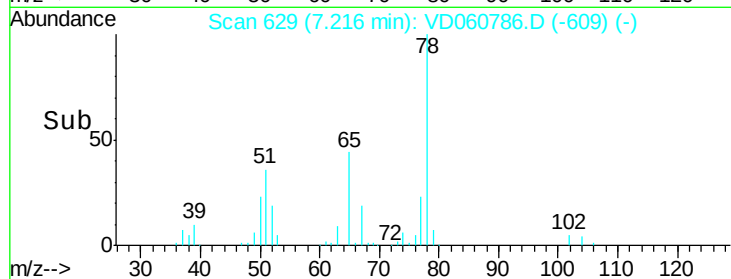
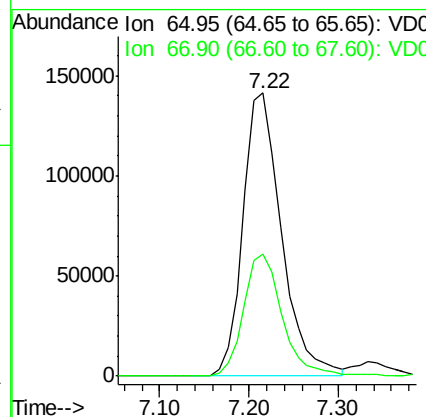
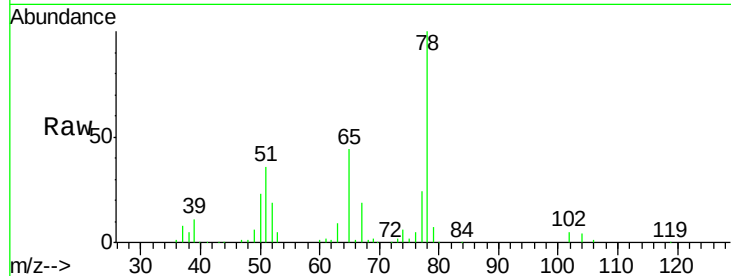
#33
 1,2-Dichloroethane-d4
 Concen: 50.076 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 424012
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 86.0

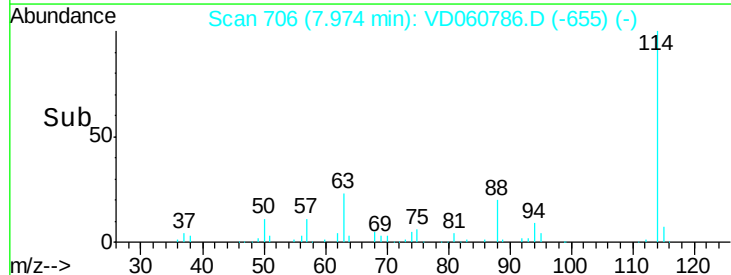
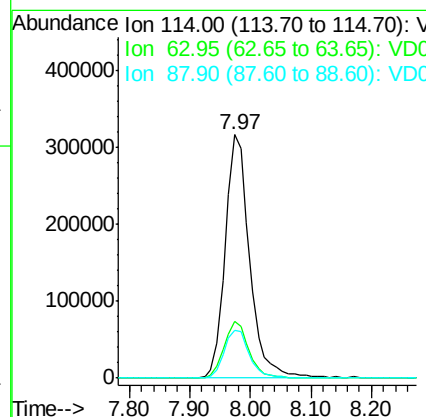
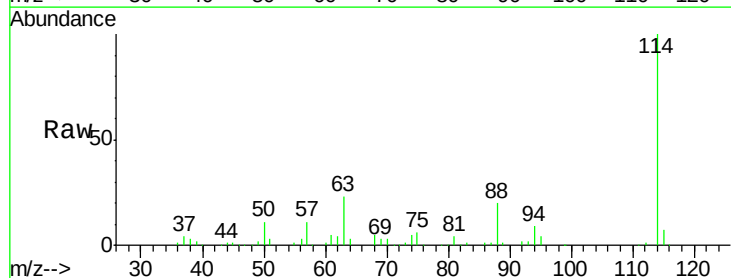
Manual Integrations
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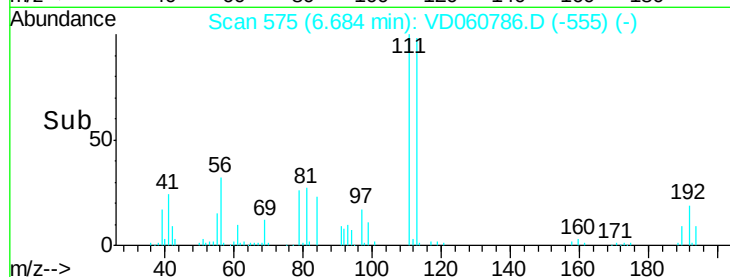
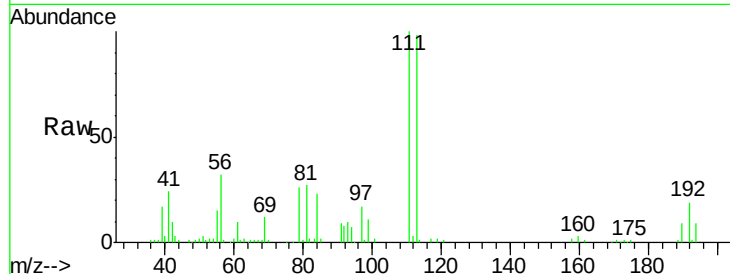
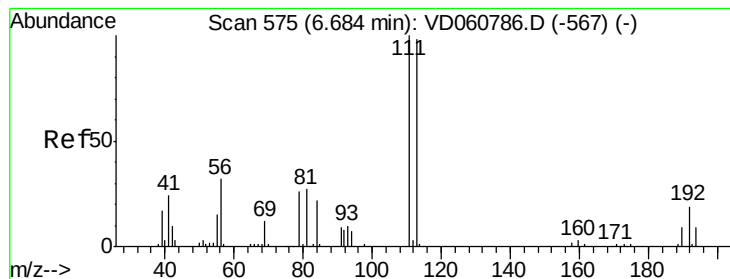
MMDadoda
 1/24/2019 12:49:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.97 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Tgt Ion: 114 Resp: 886624
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 46.4
 88 19.8 0.0 39.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 575

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tot Ion	113	Resp	391568
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	19.1	15.3	22.9

Instrument :

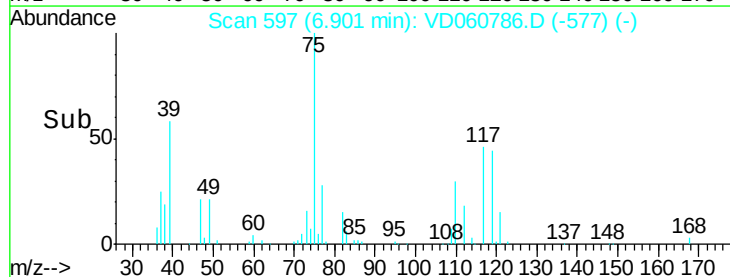
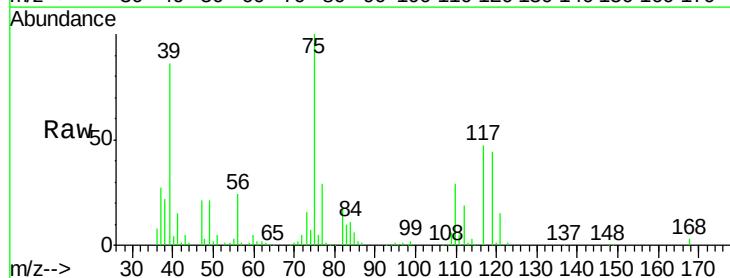
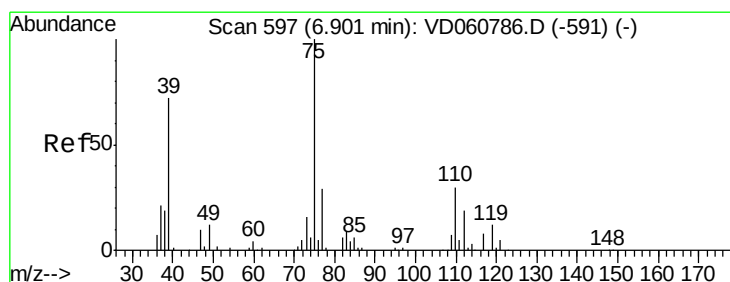
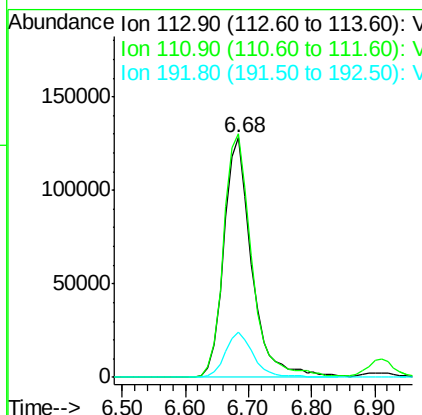
MSVOA_D

ClientSampleId :

VSTDICCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.852 ug/l

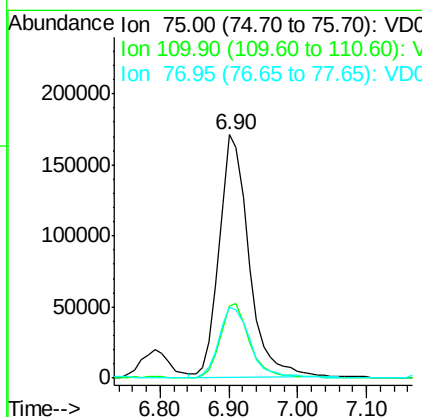
RT: 6.90 min Scan# 597

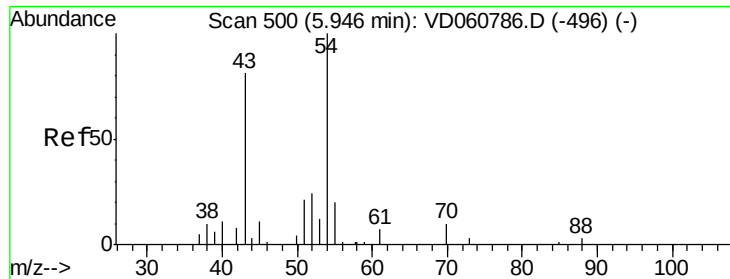
Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion	75	Resp	508575
Ion	Ratio	Lower	Upper
75	100		
110	29.5	14.8	44.3
77	28.9	23.1	34.7





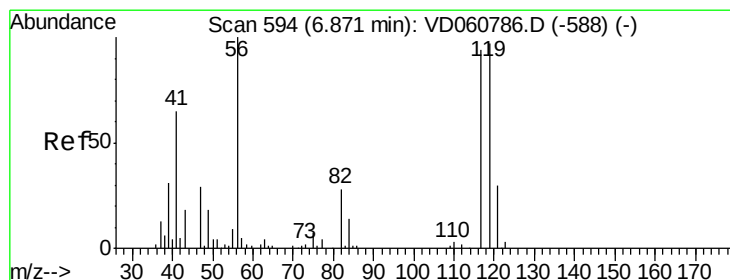
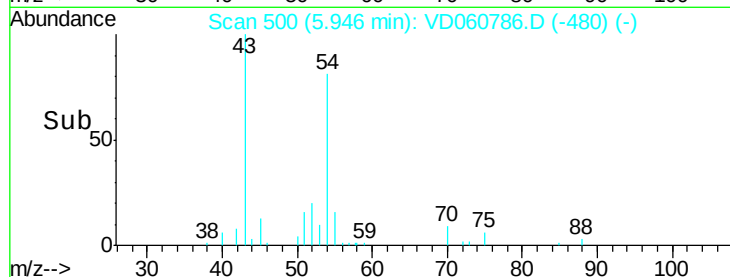
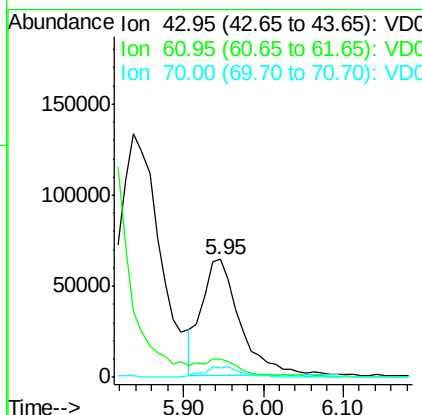
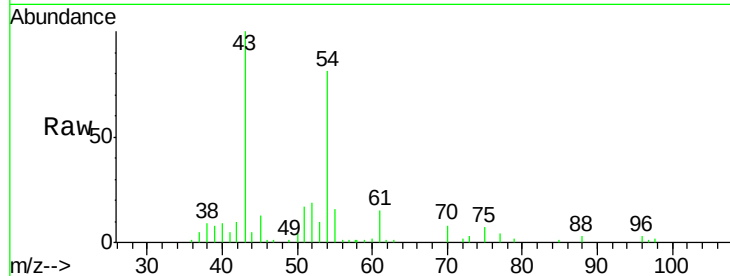
#37
Ethyl Acetate
Concen: 49.877 ug/l
RT: 5.95 min Scan# 500
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.4
70	8.5	6.8	10.2

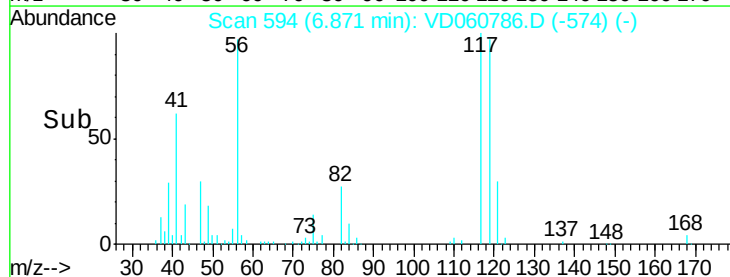
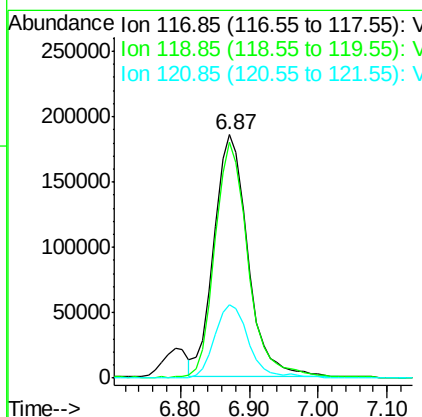
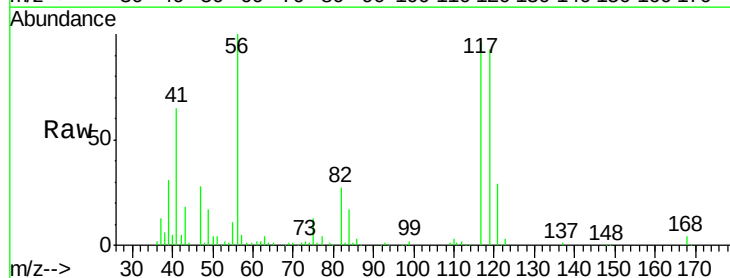
Manual Integrations
APPROVED

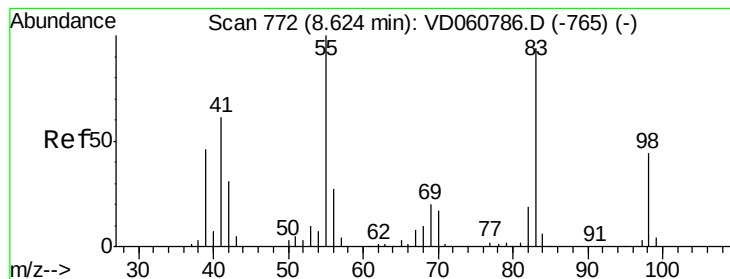
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.000 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	30.2	24.2	36.2





#39

Methylvlcyclohexane

Concen: 50.000 ug/l

RT: 8.62 min Scan# 772

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 454754

Ion Ratio Lower Upper

83 100

55 106.5 85.2 127.8

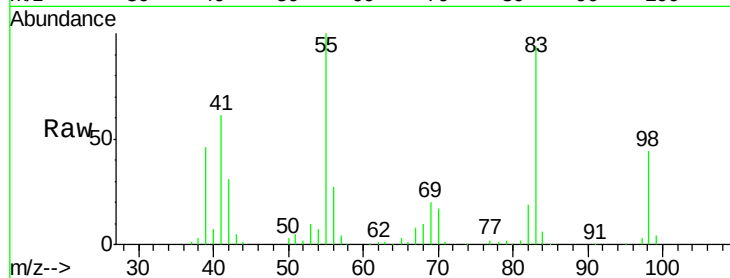
98 47.1 37.7 56.5

Manual Integrations

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MMDadoda

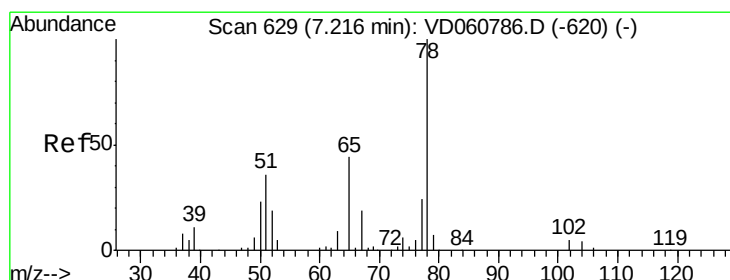
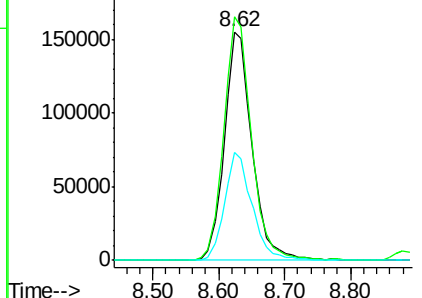
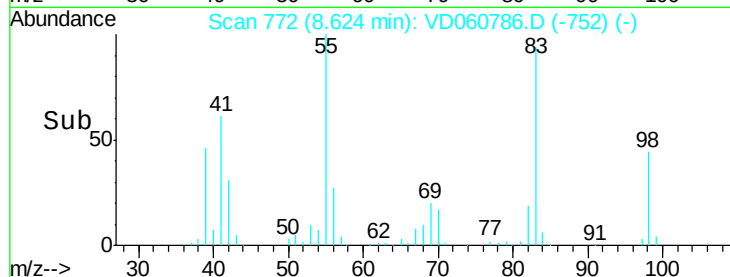
1/24/2019 12:49:36 PM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.000 ug/l

RT: 7.22 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD060786.D

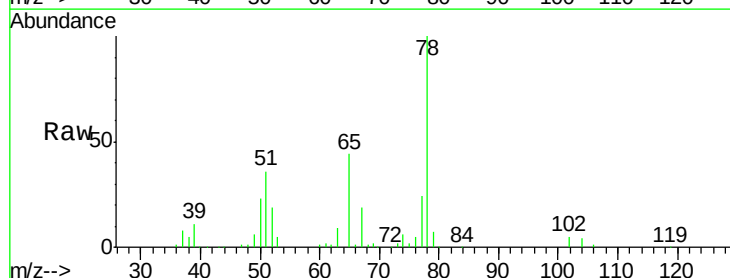
Acq: 23 Jan 2019 17:06

Tgt Ion: 78 Resp: 1040058

Ion Ratio Lower Upper

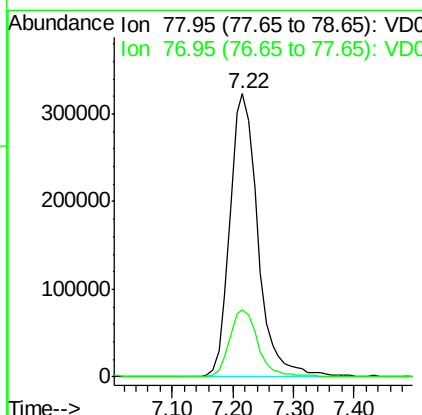
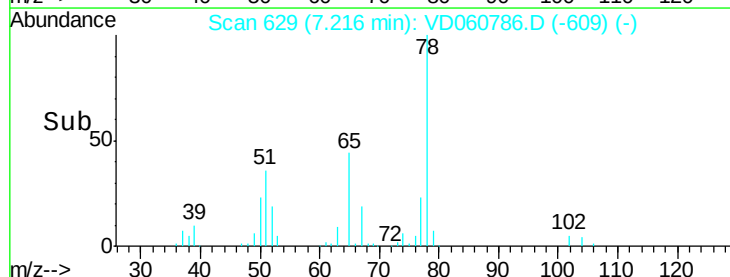
78 100

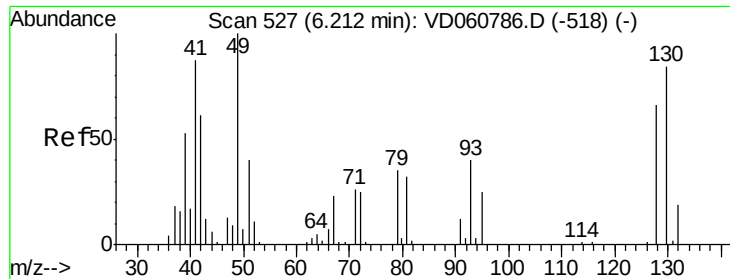
77 23.7 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 50.100 ug/l m

RT: 6.21 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 158642

Ion Ratio Lower Upper

41 100

39 61.8 49.4 74.2

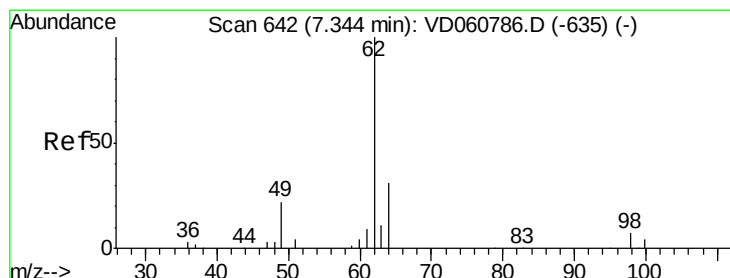
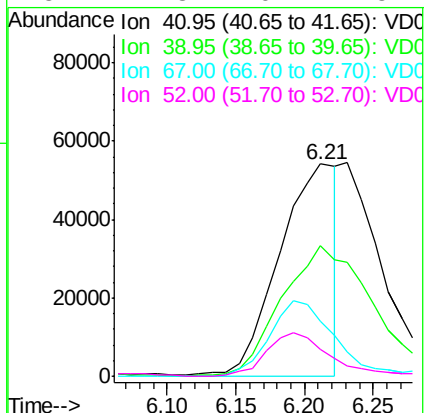
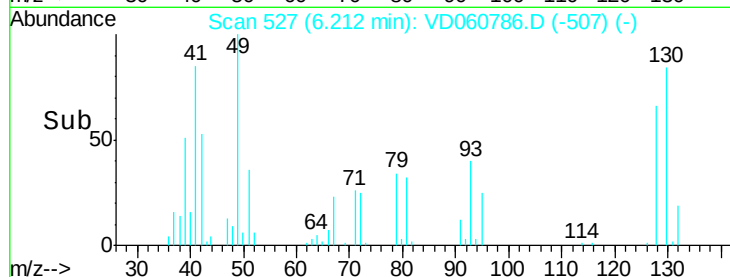
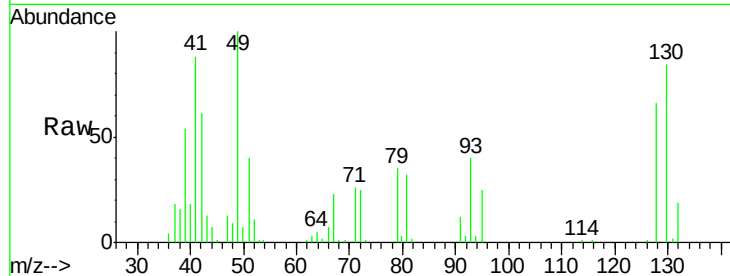
67 25.9 20.7 31.1

52 12.8 10.2 15.4

Manual Integrations
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1/24/2019 12:49:36 PM



#42

1,2-Dichloroethane

Concen: 50.118 ug/l

RT: 7.34 min Scan# 642

Delta R.T. 0.00 min

Lab File: VD060786.D

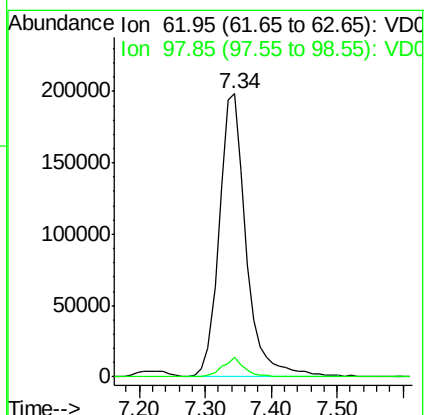
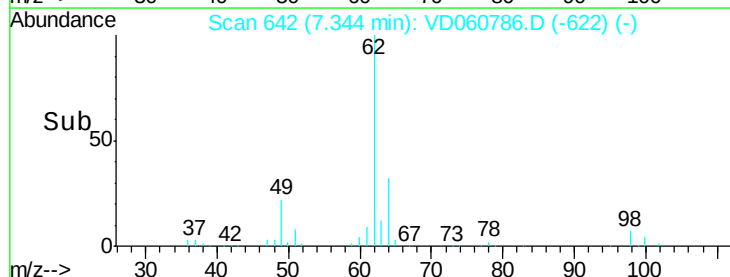
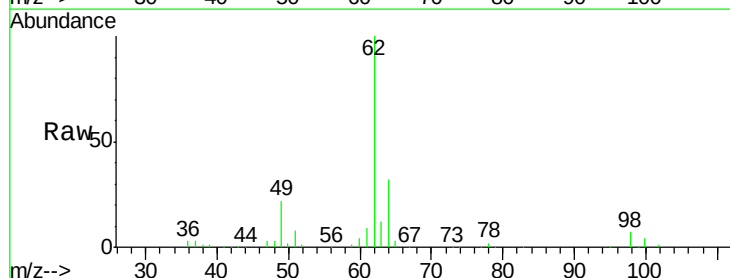
Acq: 23 Jan 2019 17:06

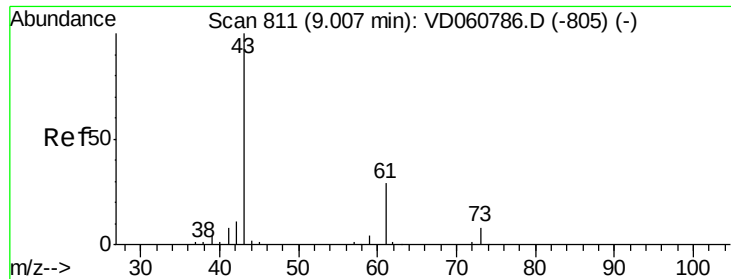
Tgt Ion: 62 Resp: 565581

Ion Ratio Lower Upper

62 100

98 6.8 0.0 13.6





#43

Isopropyl Acetate

Concen: 50.000 ug/l

RT: 9.01 min Scan# 811

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

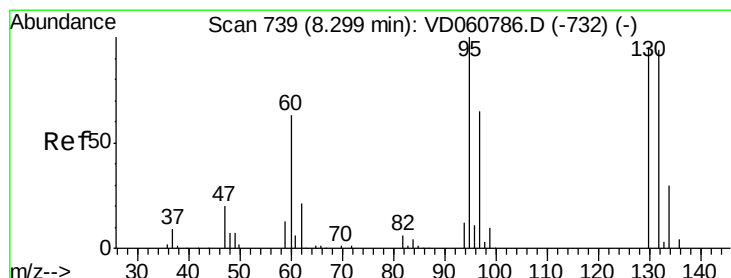
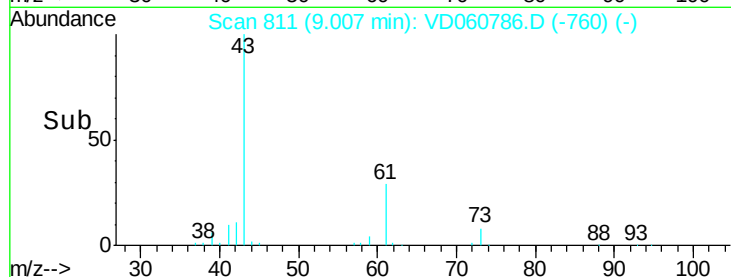
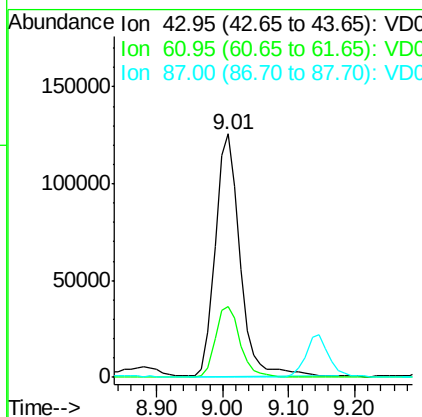
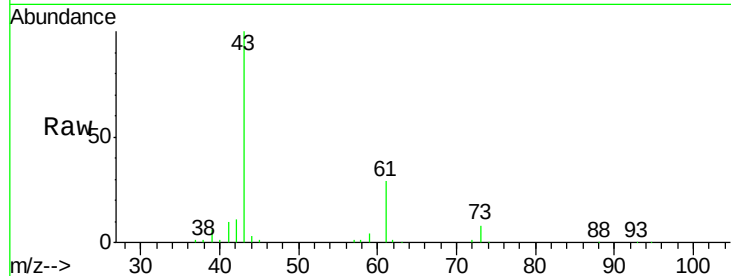
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	325617
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.2	34.8
87	0.0	0.0	0.0

Manual Integrations
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MMDadoda
1/24/2019 12:49:36 PM



#44

Trichloroethene

Concen: 50.000 ug/l

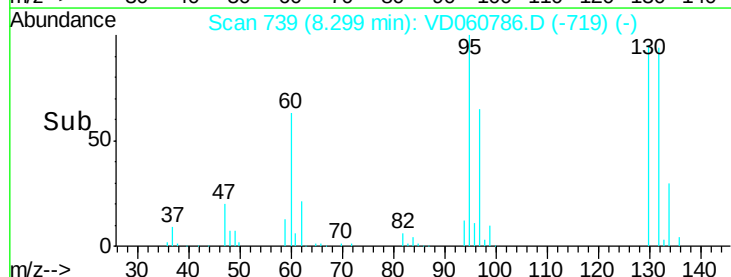
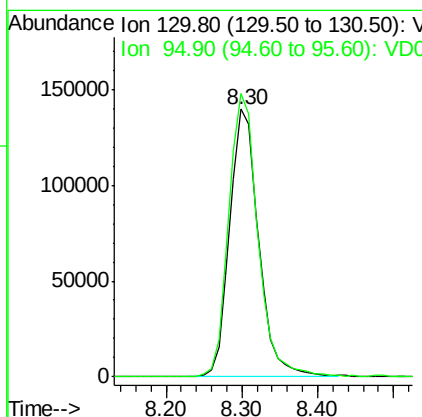
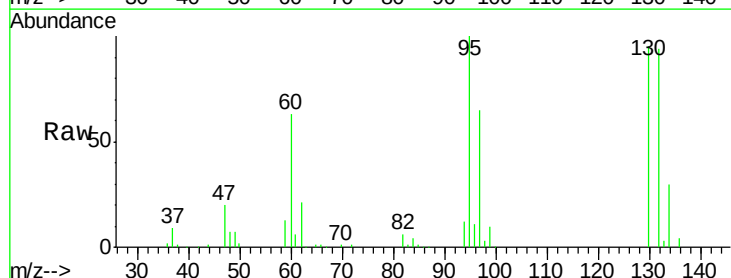
RT: 8.30 min Scan# 739

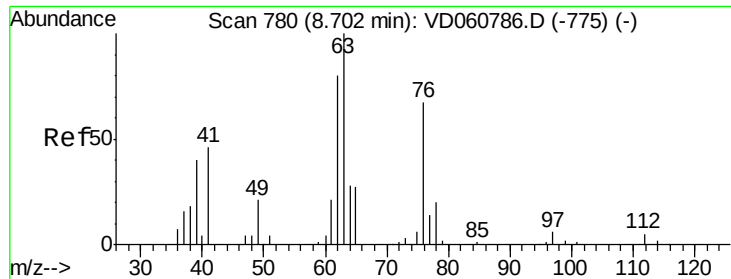
Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion:	130	Resp:	368947
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	211.6





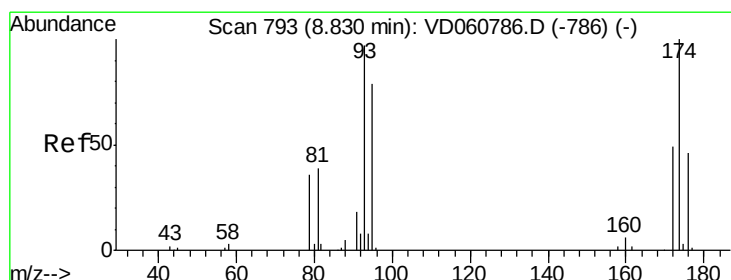
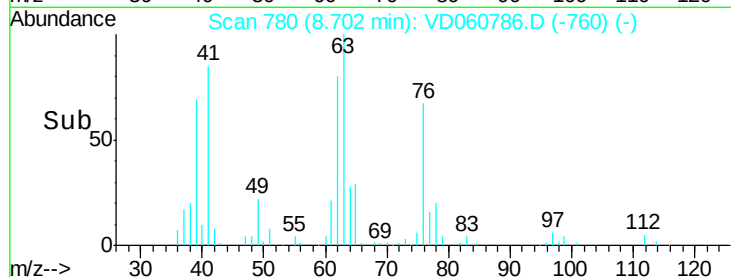
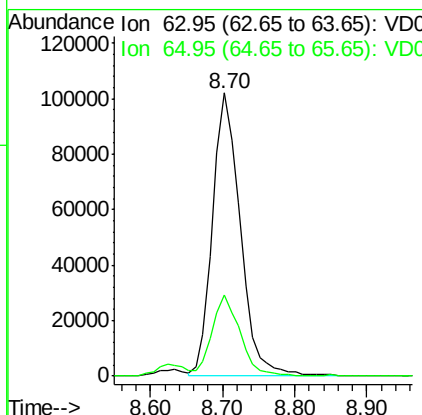
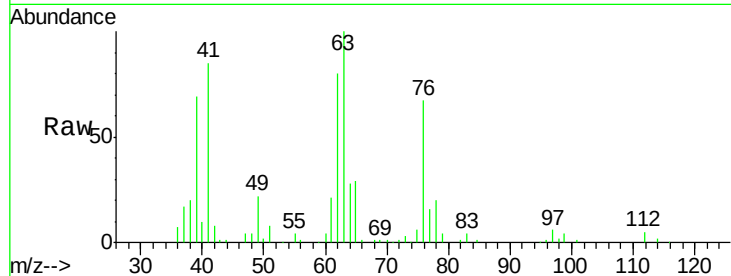
#45
 1,2-Dichloropropane
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 269889
 Ion Ratio Lower Upper
 63 100
 65 28.8 23.0 34.6

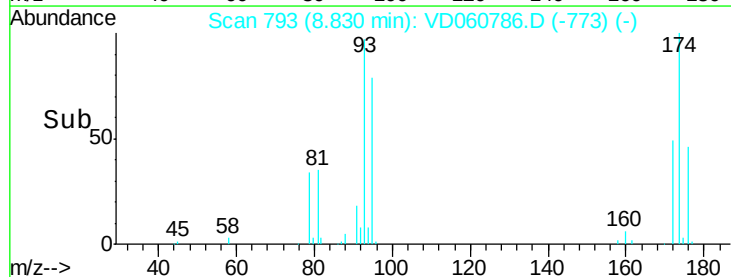
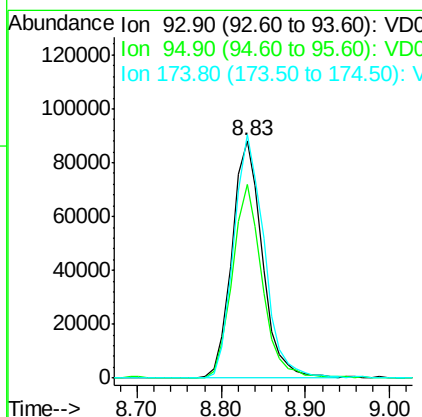
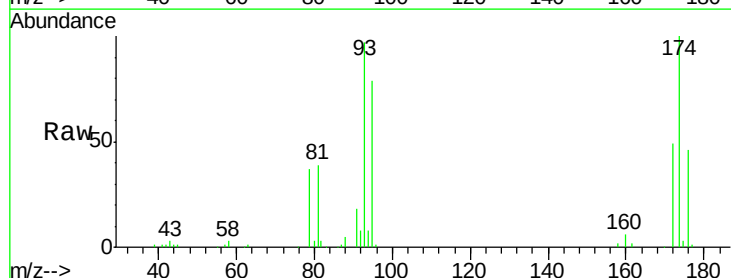
Manual Integrations
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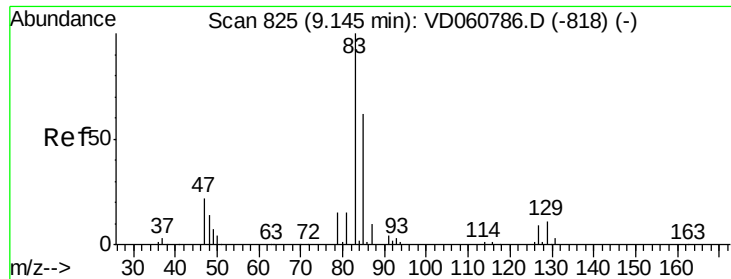
MMDadoda
 1/24/2019 12:49:36 PM



#46
 Dibromomethane
 Concen: 50.000 ug/l
 RT: 8.83 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Tgt Ion: 93 Resp: 220769
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.2 97.8
 174 102.6 82.1 123.1





#47

Bromodichloromethane

Concen: 50.000 ug/l

RT: 9.15 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

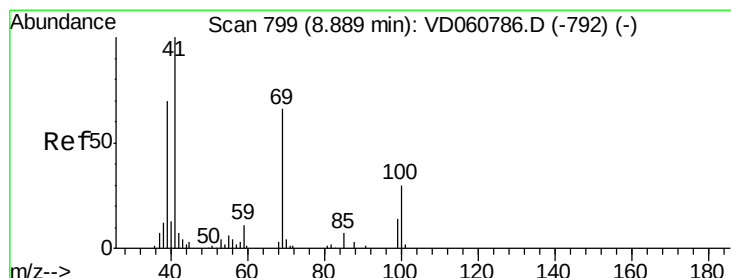
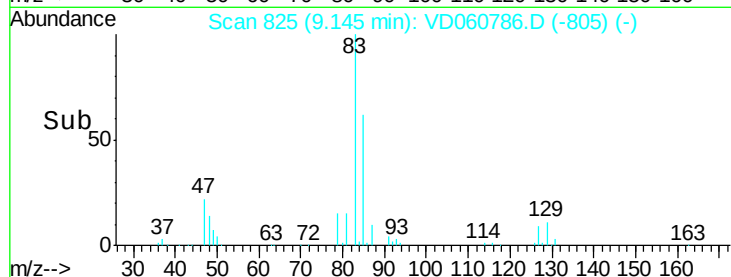
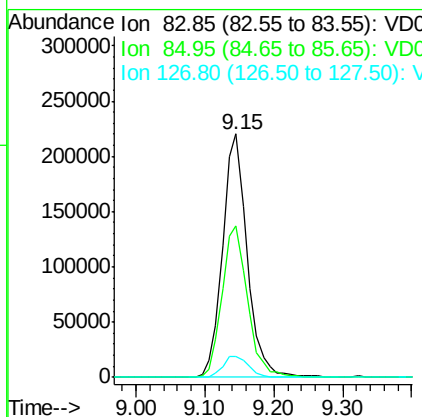
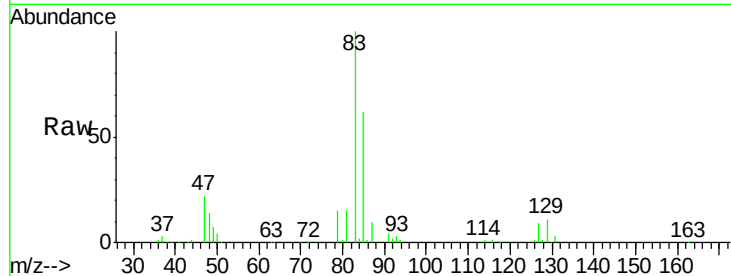
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	543830
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.8	74.6
127	8.7	7.0	10.4

Manual Integrations
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MMDadoda
1/24/2019 12:49:36 PM



#48

Methyl methacrylate

Concen: 50.000 ug/l

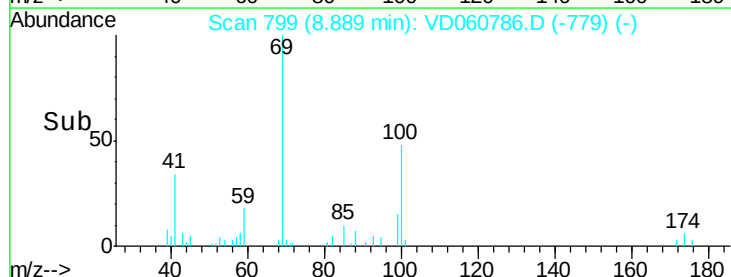
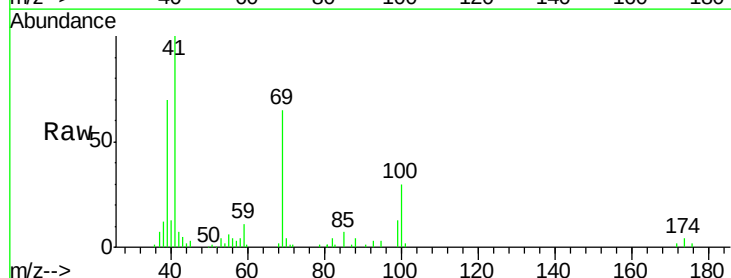
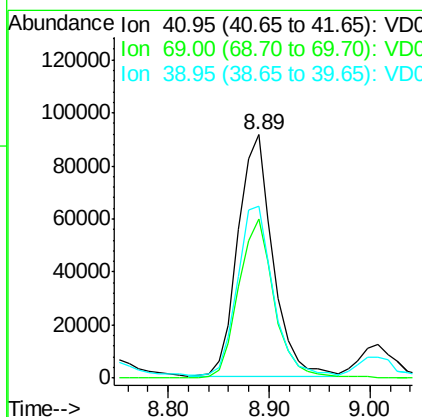
RT: 8.89 min Scan# 799

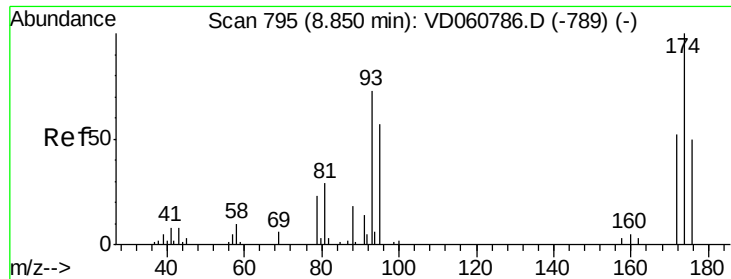
Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion:	41	Resp:	219723
Ion	Ratio	Lower	Upper
41	100		
69	65.3	52.2	78.4
39	70.4	56.3	84.5





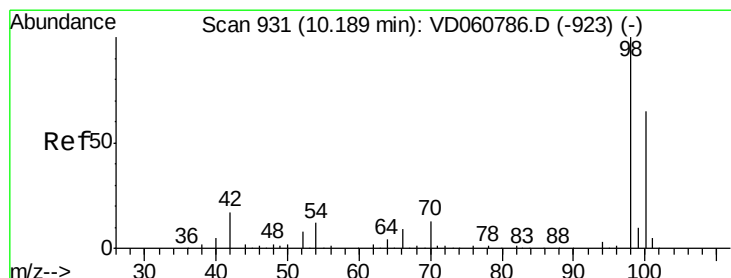
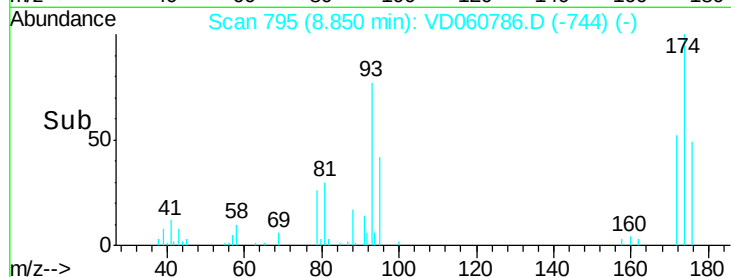
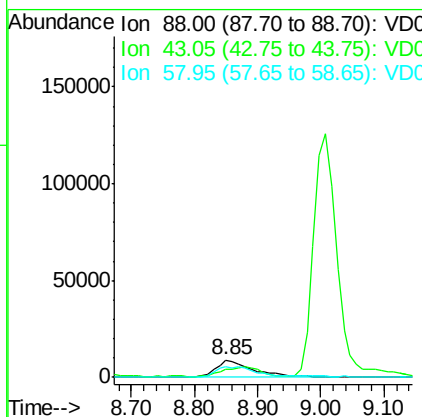
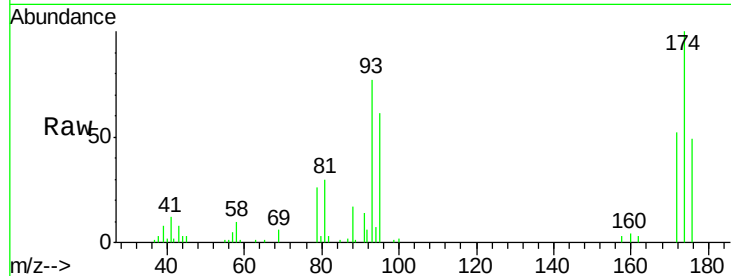
#49
1,4-Dioxane
Concen: 1000.000 ug/l
RT: 8.85 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	37097
Ion	Ratio	Lower	Upper
88	100		
43	45.2	36.2	54.2
58	59.1	47.3	70.9

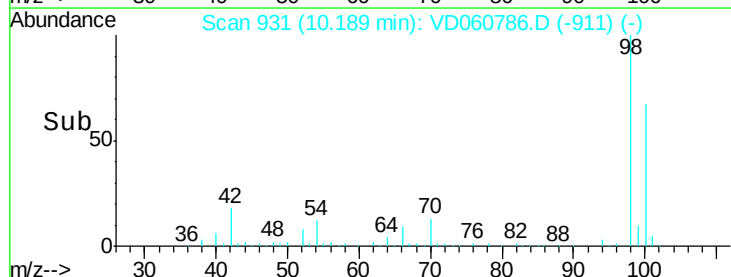
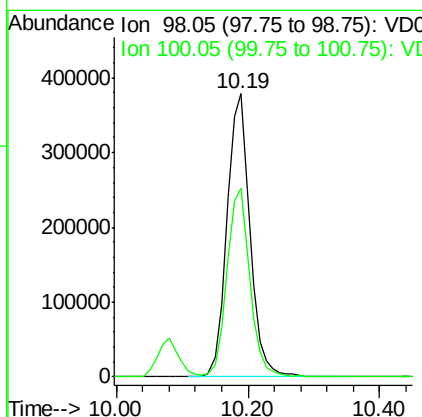
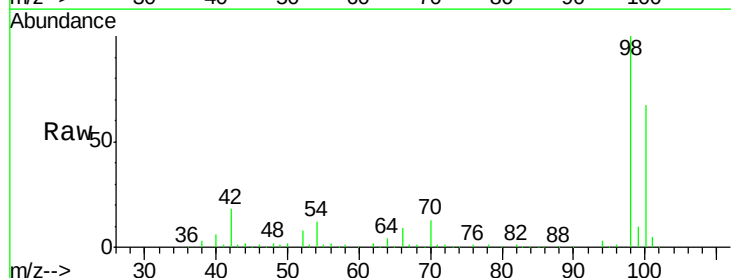
Manual Integrations
APPROVED

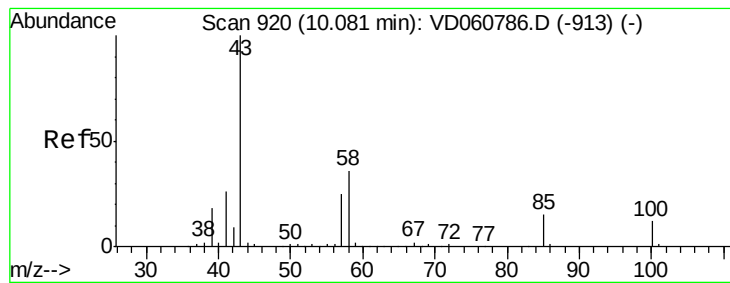
MMDadoda
1/24/2019 12:49:36 PM



#50
Toluene-d8
Concen: 1000.000 ug/l
RT: 10.19 min Scan# 931
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	98	Resp	927191
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 250.000 ug/l

RT: 10.08 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1070966

Ion Ratio Lower Upper

43 100

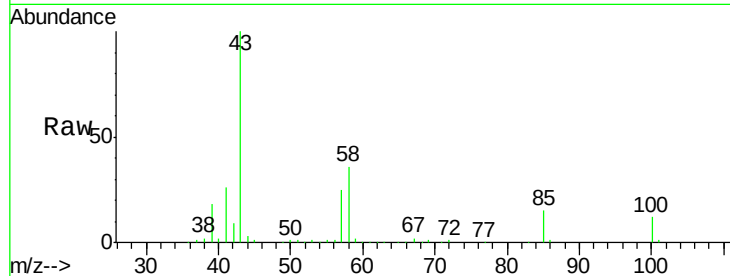
58 36.3 29.0 43.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.08

400000

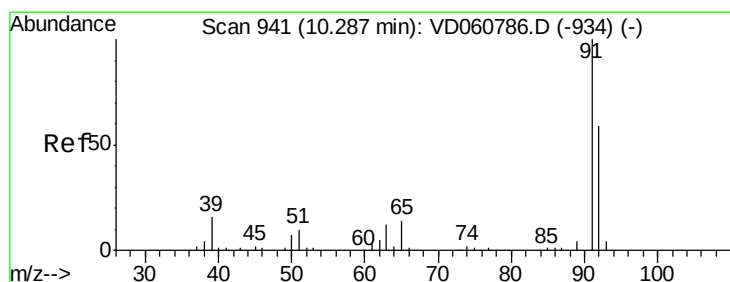
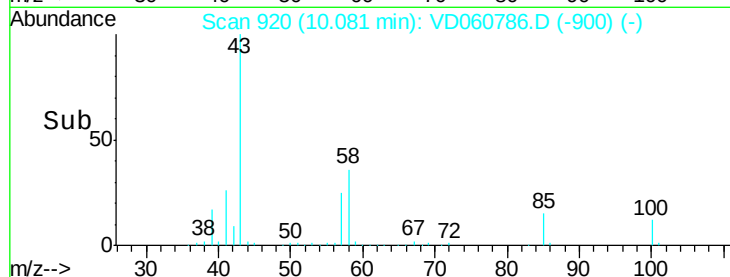
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.000 ug/l

RT: 10.29 min Scan# 941

Delta R.T. 0.00 min

Lab File: VD060786.D

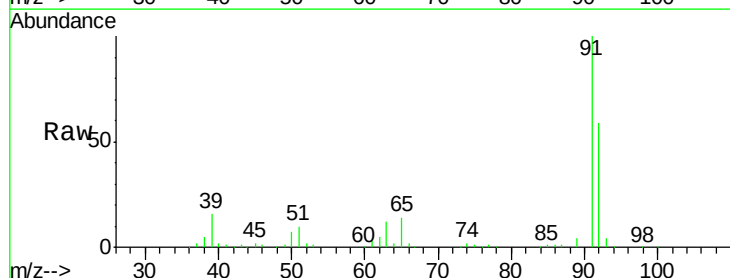
Acq: 23 Jan 2019 17:06

Tgt Ion: 92 Resp: 650897

Ion Ratio Lower Upper

92 100

91 168.9 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.29

400000

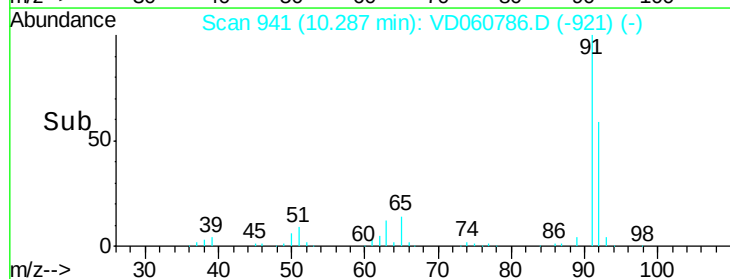
300000

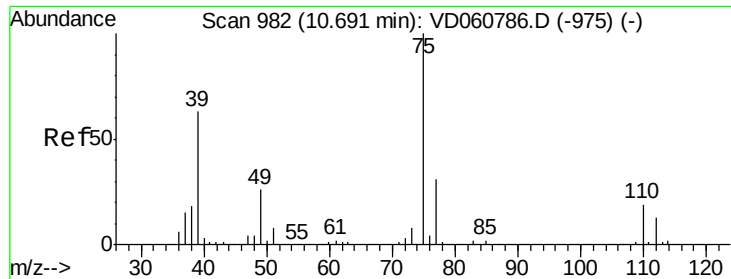
200000

100000

0

Time-->





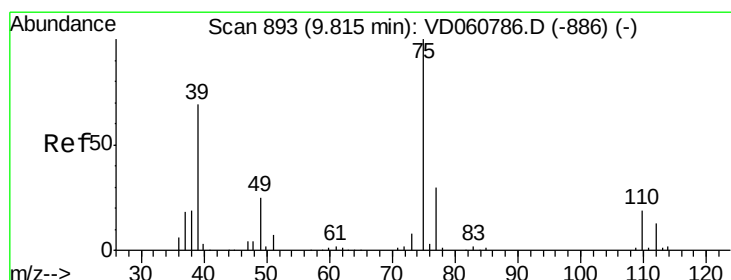
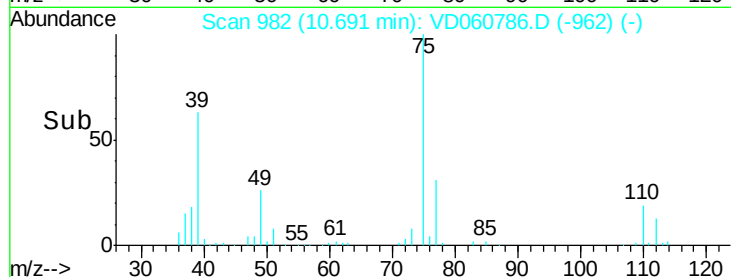
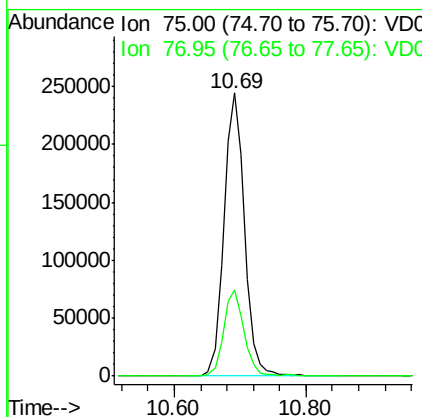
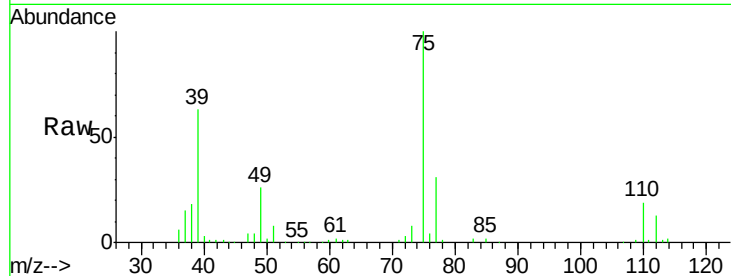
#53
 t-1,3-Dichloropropene
 Concen: 50.002 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6

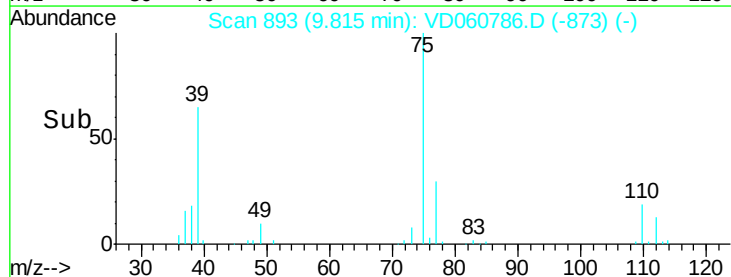
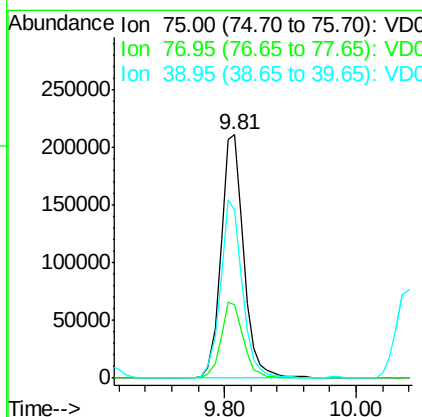
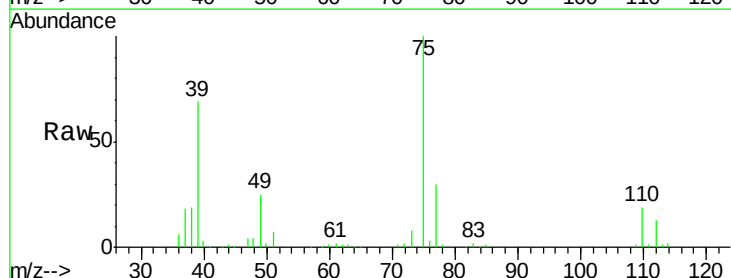
Manual Integrations
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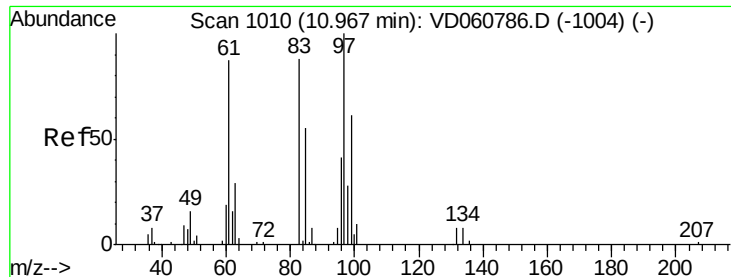
MMDadoda
 1/24/2019 12:49:36 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.000 ug/l
 RT: 9.81 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.1	36.1
39	69.2	55.4	83.0





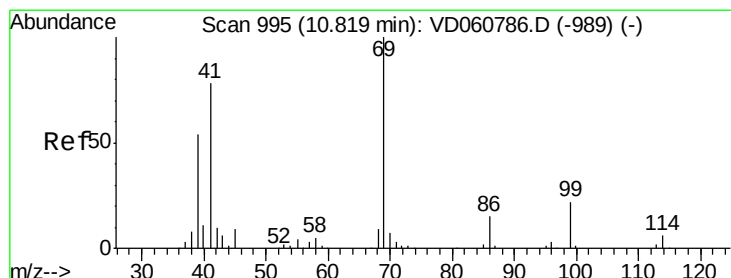
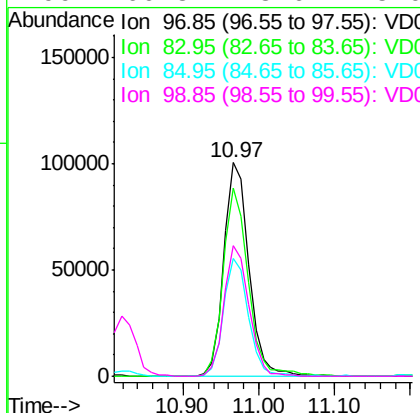
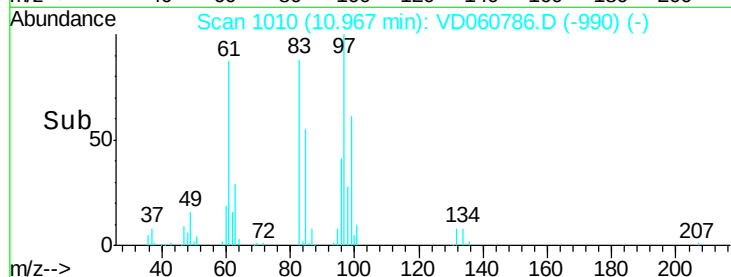
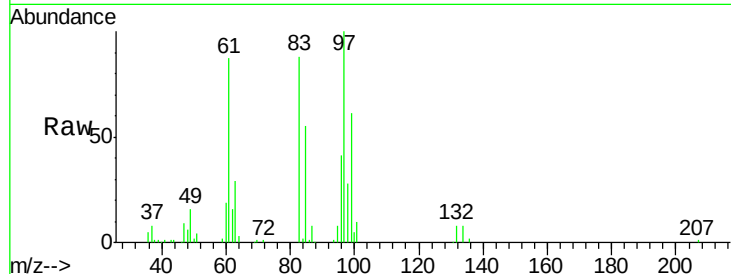
#55
 1,1,2-Trichloroethane
 Concen: 50.000 ug/l
 RT: 10.97 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	54.9	43.9	65.9
99	60.8	48.6	73.0

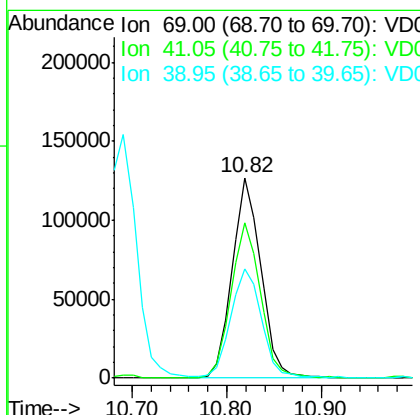
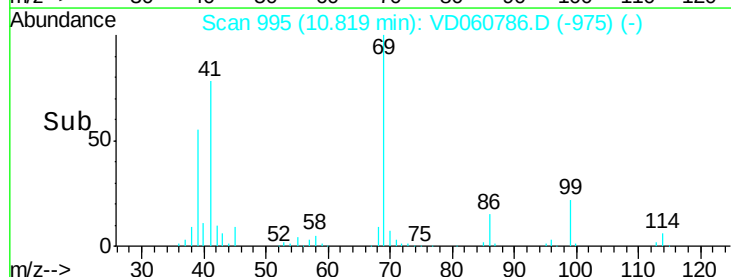
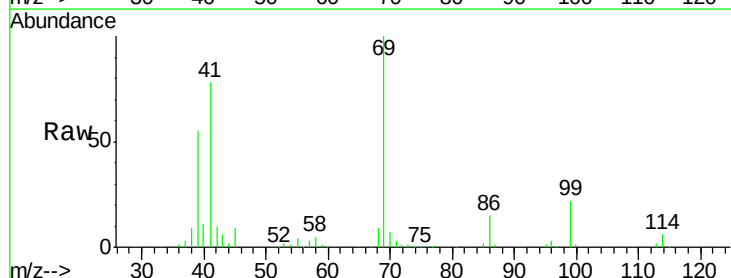
Manual Integrations
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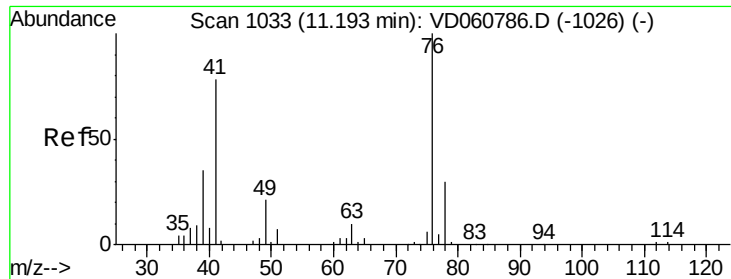
MMDadoda
 1/24/2019 12:49:36 PM



#56
 Ethyl methacrylate
 Concen: 50.000 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.5	62.0	93.0
39	54.8	43.8	65.8





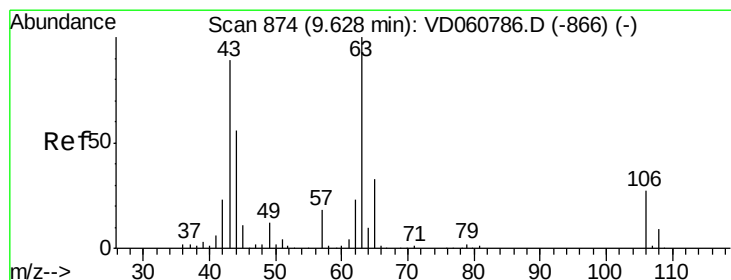
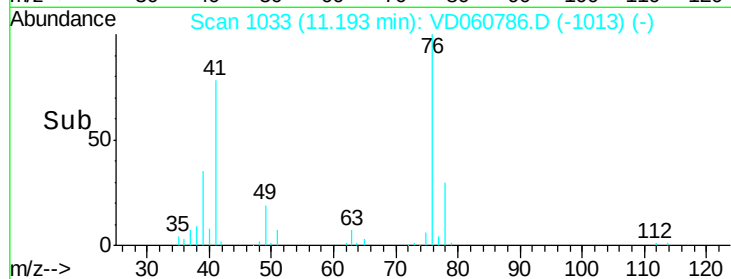
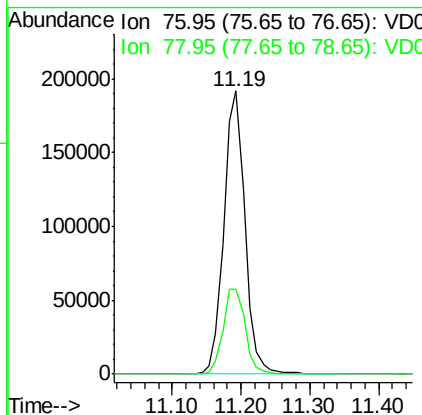
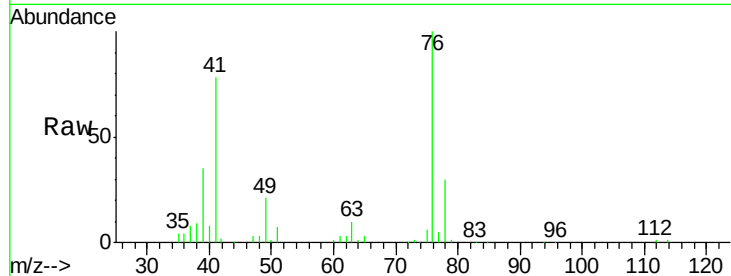
#57
 1,3-Dichloropropane
 Concen: 49.970 ug/l
 RT: 11.19 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 404313
 Ion Ratio Lower Upper
 76 100
 78 30.0 24.0 36.0

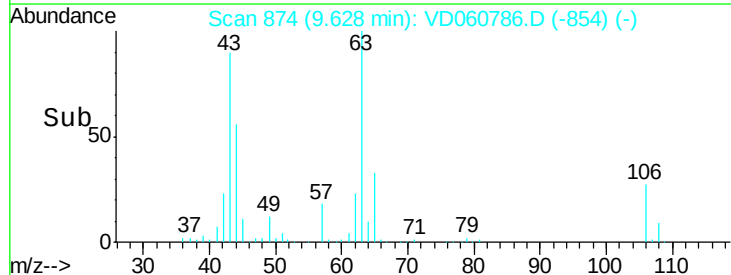
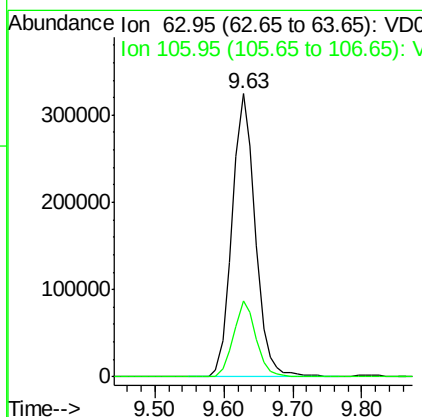
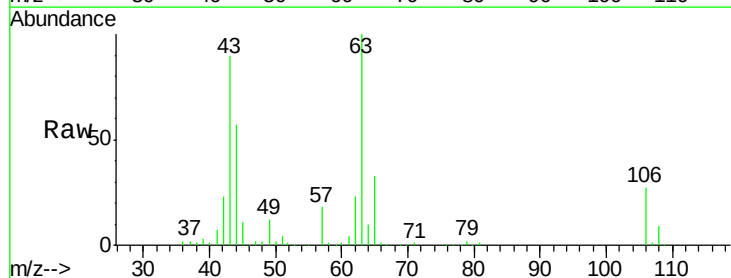
Manual Integrations
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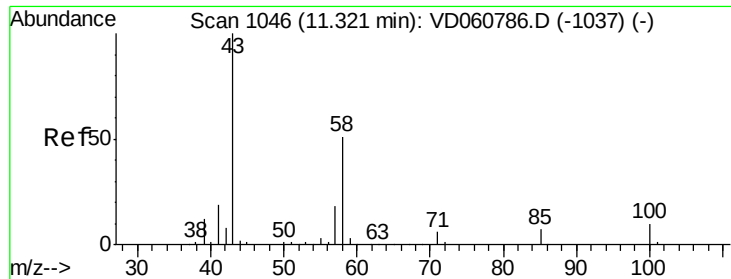
MMDadoda
 1/24/2019 12:49:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.000 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Tgt Ion: 63 Resp: 757055
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4





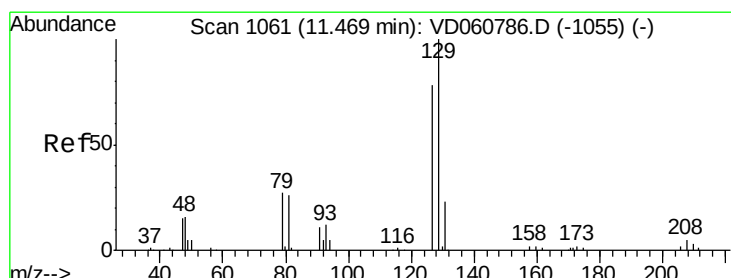
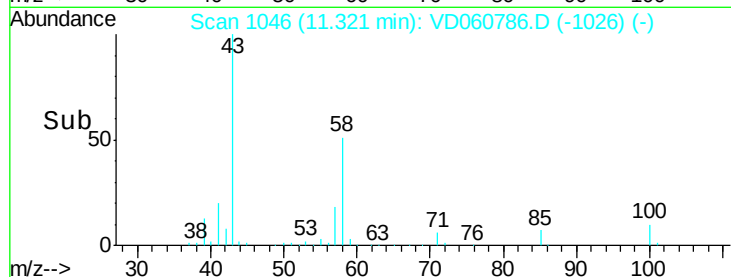
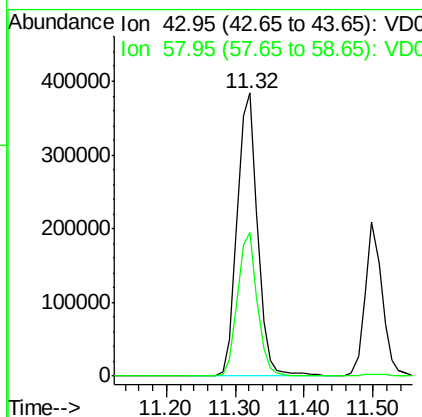
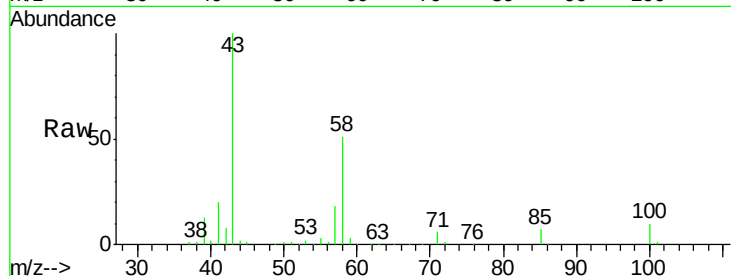
#59
2-Hexanone
Concen: 250.000 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 790206
Ion Ratio Lower Upper
43 100
58 50.8 25.4 76.2

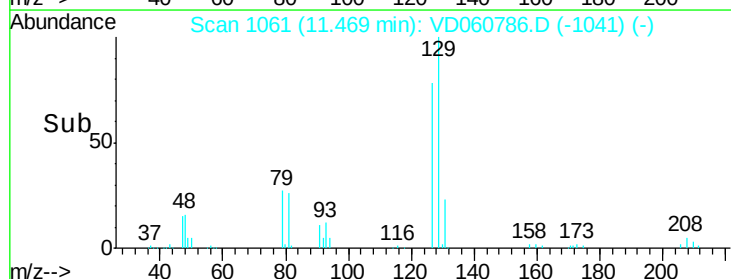
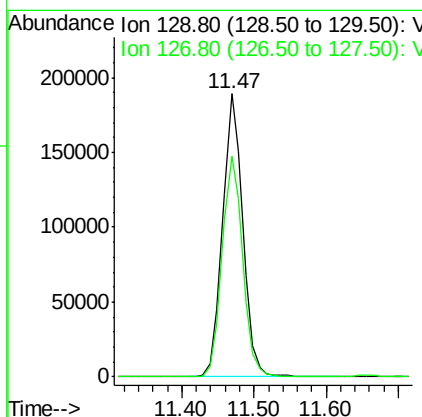
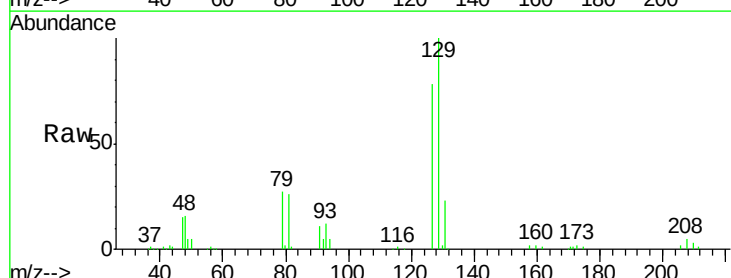
Manual Integrations
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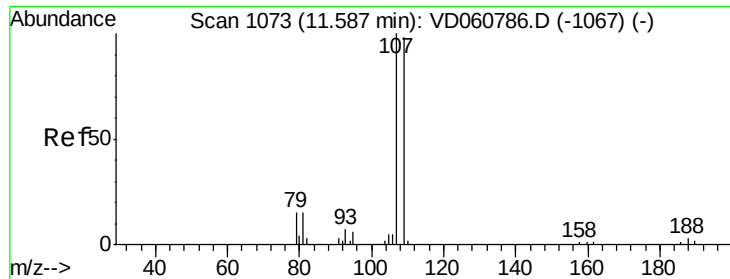
MMDadoda
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#60
Dibromochloromethane
Concen: 49.998 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion: 129 Resp: 366109
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





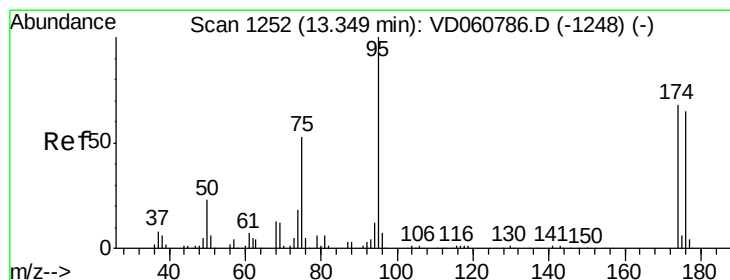
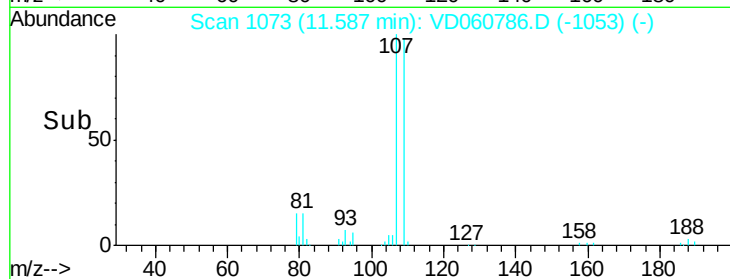
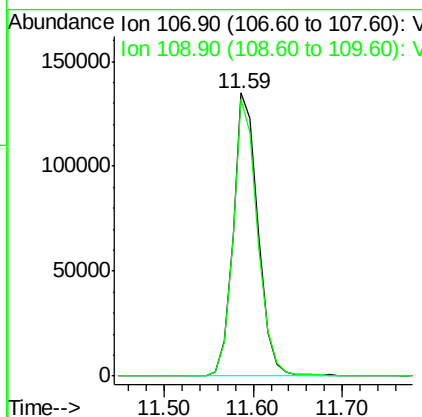
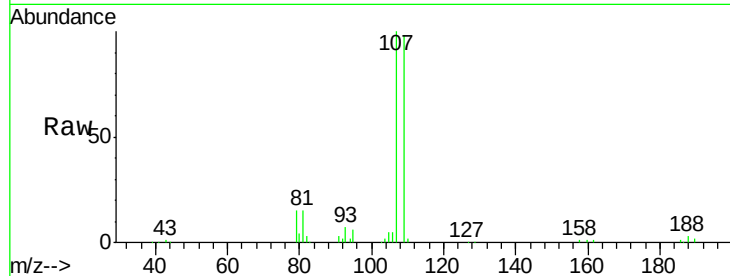
#61
 1,2-Dibromoethane
 Concen: 50.000 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.7	78.2	117.2

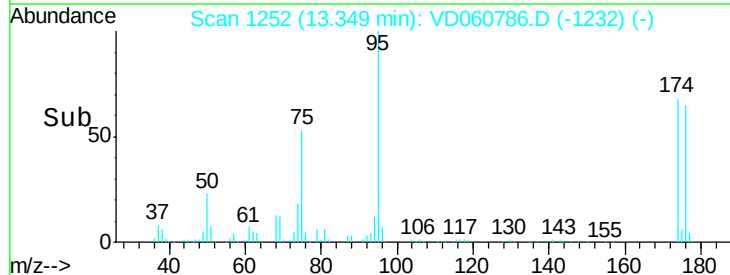
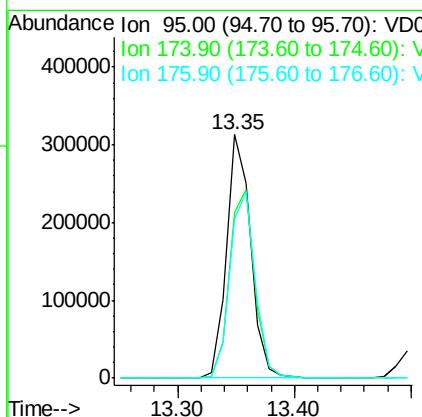
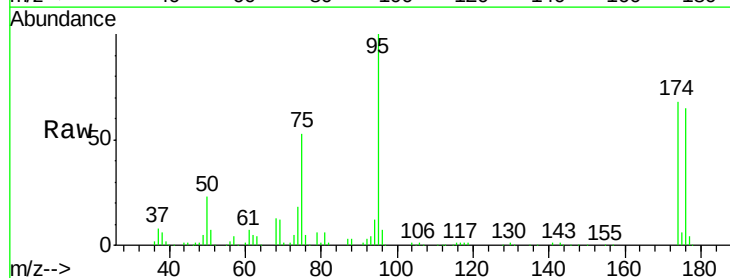
Manual Integrations
 APPROVED

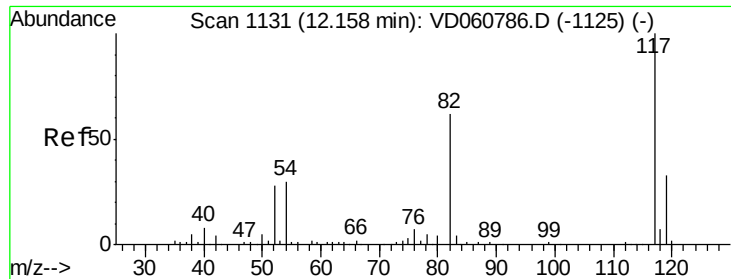
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	135.6
176	65.3	0.0	130.6





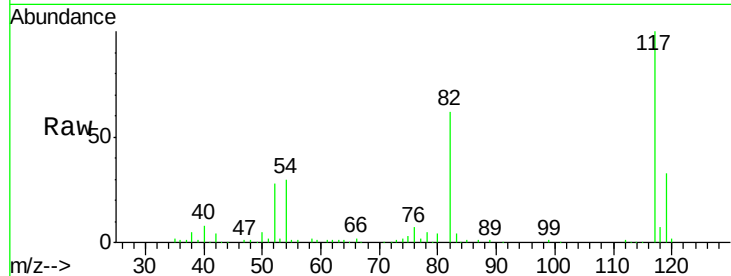
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.5	74.3
119	32.8	26.2	39.4

Manual Integrations
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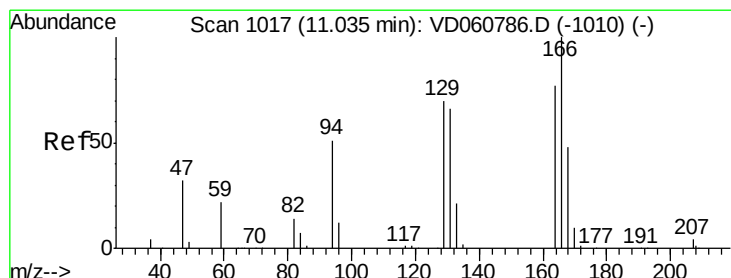
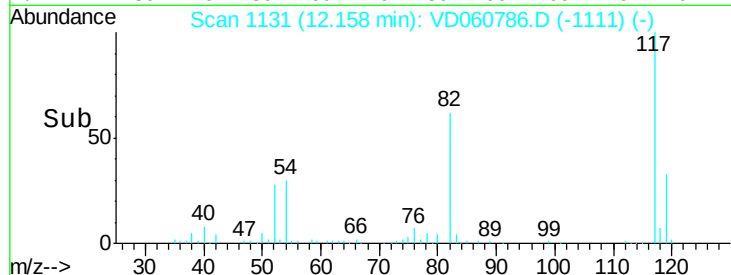
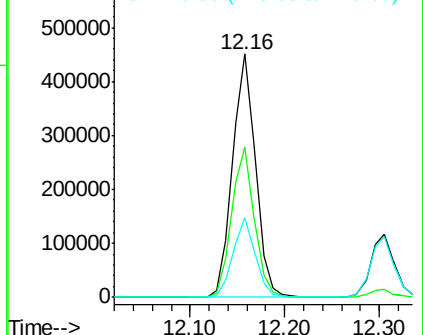


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 50.000 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.8	155.6
129	90.2	72.2	108.2
131	85.3	68.2	102.4

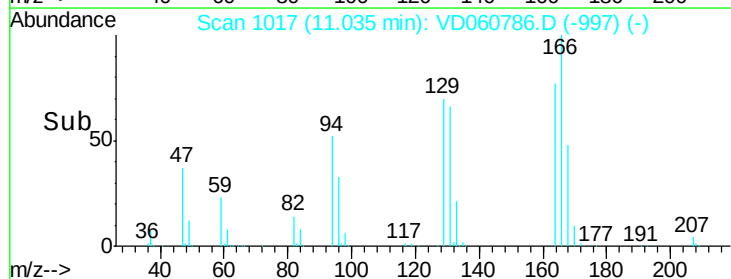
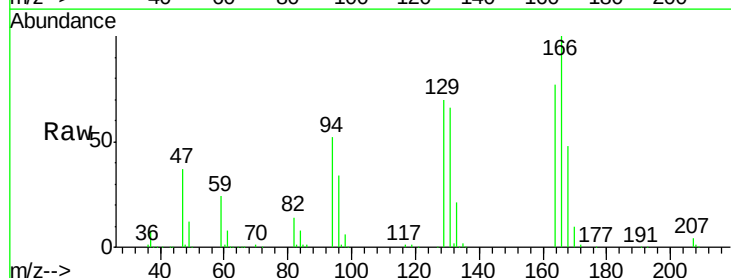
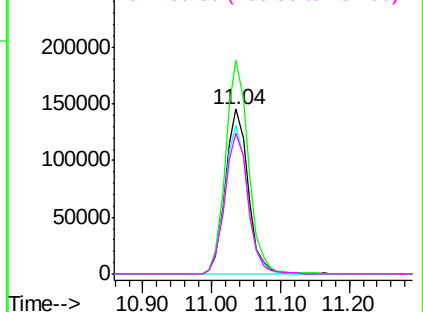
Abundance

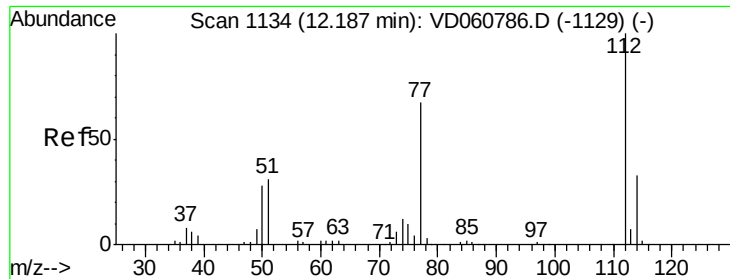
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





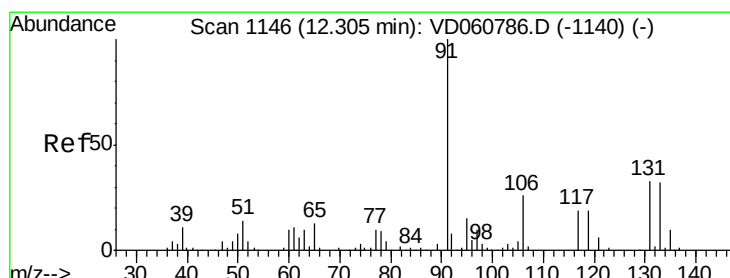
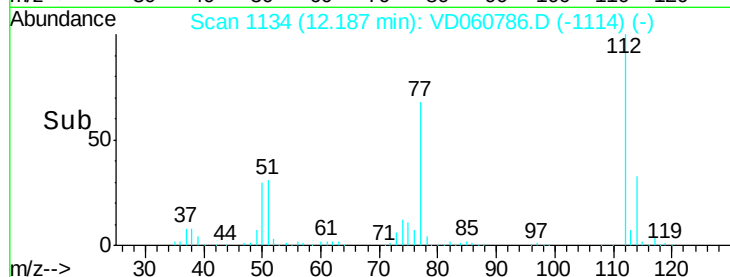
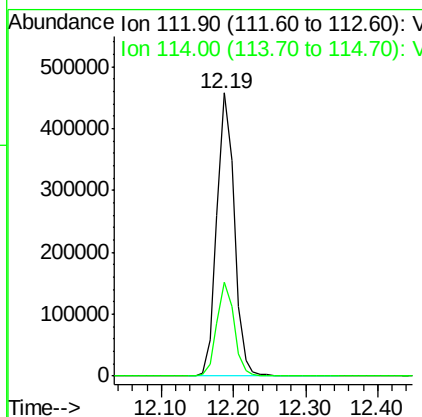
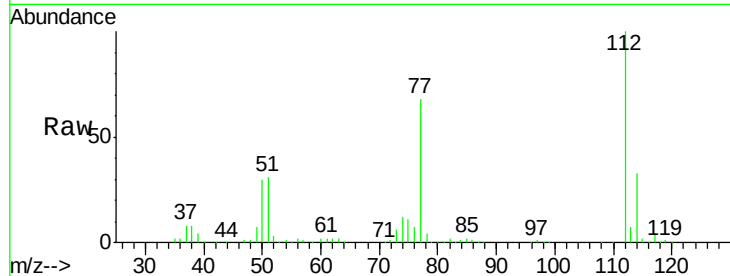
#65
Chlorobenzene
Concen: 50.000 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 762454
Ion Ratio Lower Upper
112 100
114 33.0 26.4 39.6

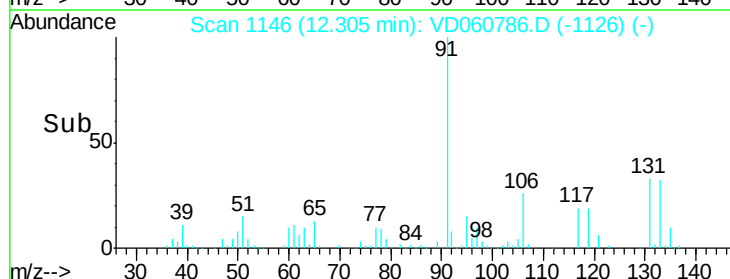
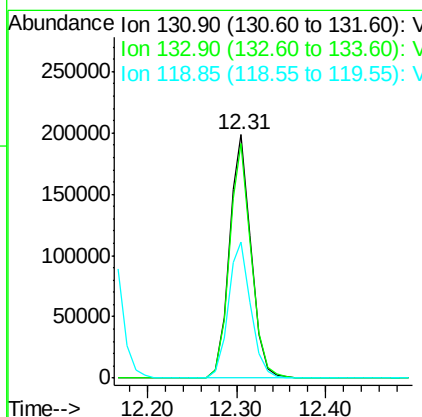
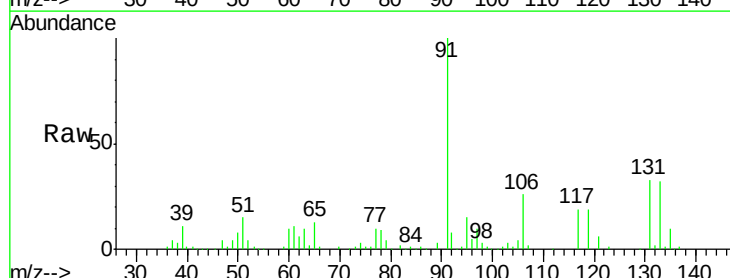
Manual Integrations
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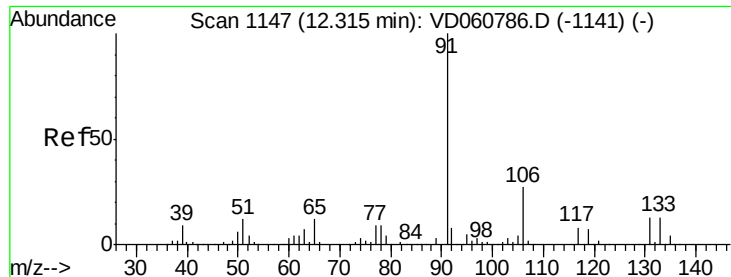
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.000 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion:131 Resp: 339358
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 56.0 28.0 84.0





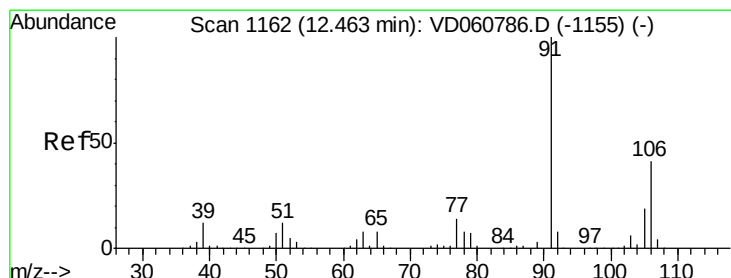
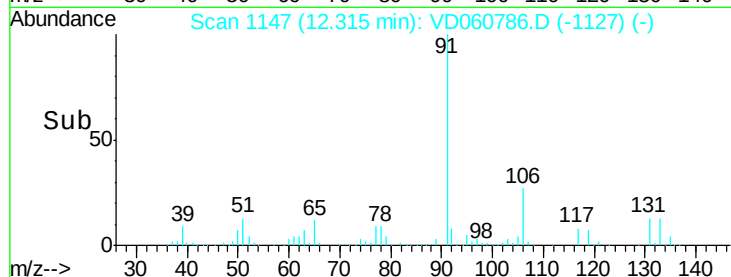
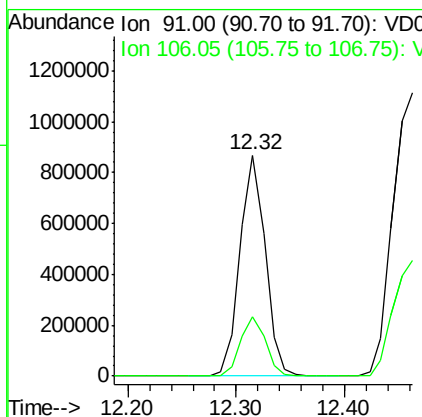
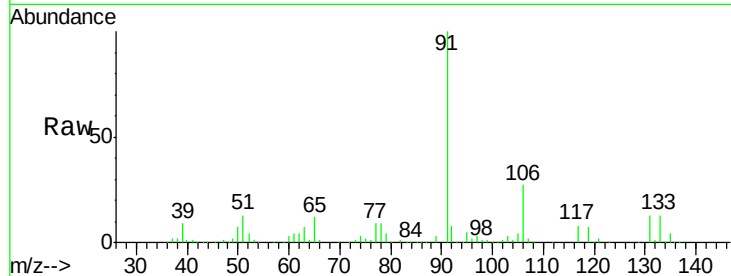
#67
Ethyl Benzene
Concen: 50.000 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1420739
Ion Ratio Lower Upper
91 100
106 26.8 21.4 32.2

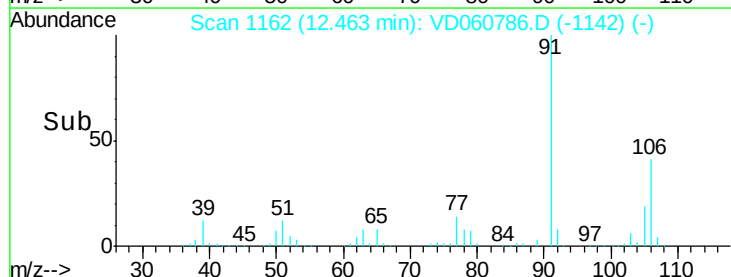
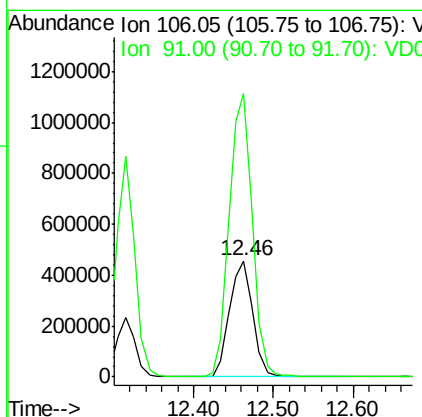
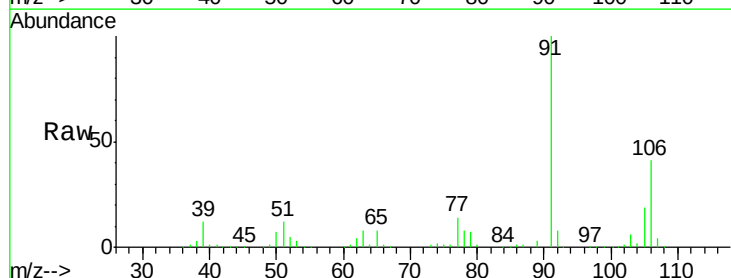
Manual Integrations
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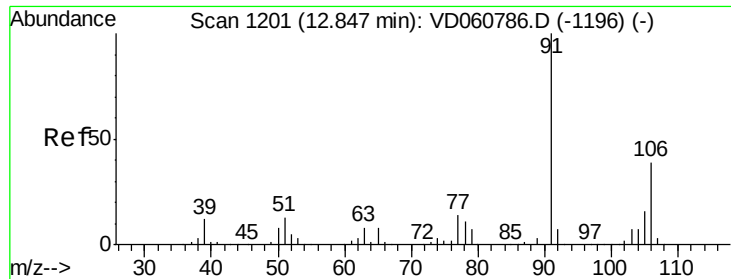
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#68
m/p-Xylenes
Concen: 99.805 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion: 106 Resp: 929380
Ion Ratio Lower Upper
106 100
91 244.5 195.6 293.4





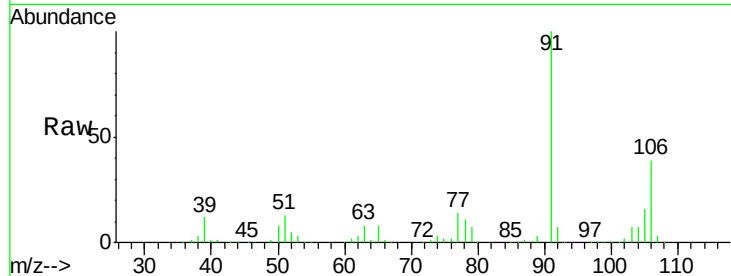
#69
o-Xylene
Concen: 50.000 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

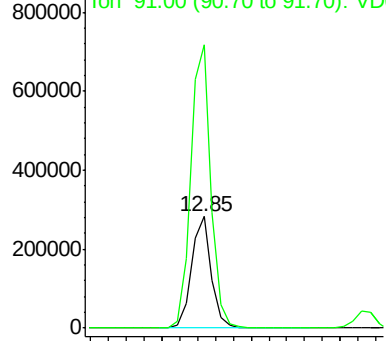
Tot Ion:106 Resp: 437307
Ion Ratio Lower Upper
106 100
91 254.3 127.2 381.5

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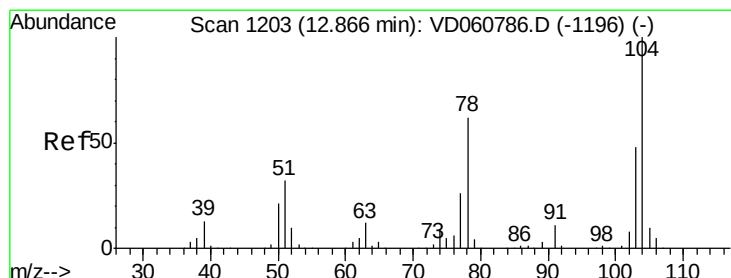
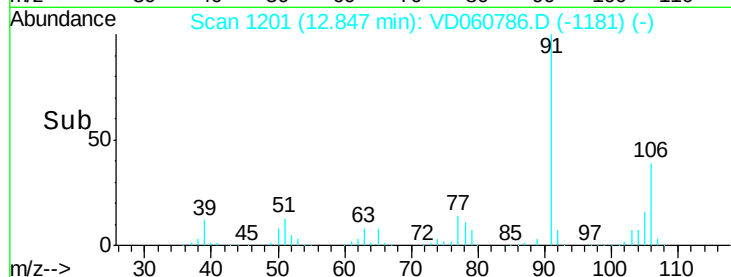
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

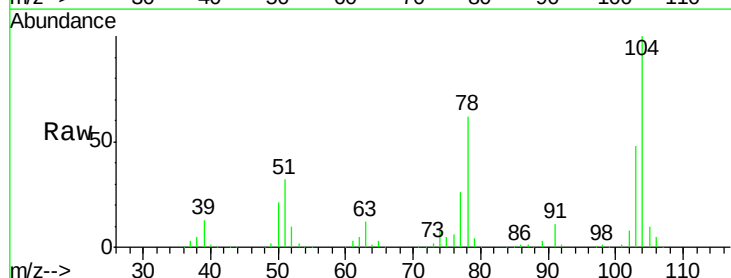


Time-->

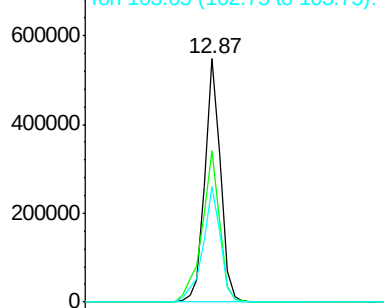


#70
Styrene
Concen: 50.000 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

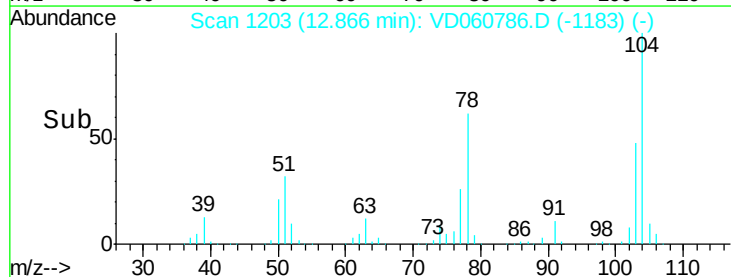
Tgt Ion:104 Resp: 770153
Ion Ratio Lower Upper
104 100
78 62.1 49.7 74.5
103 47.7 38.2 57.2

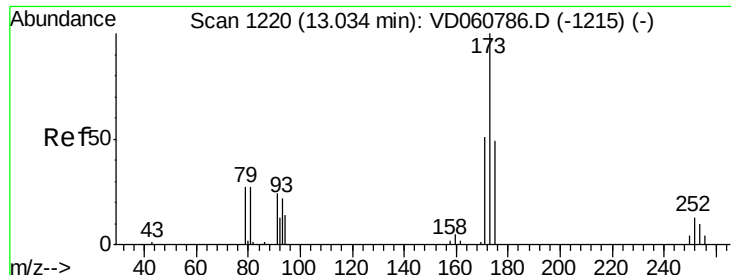


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 50.000 ug/l

RT: 13.03 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 250495

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.9

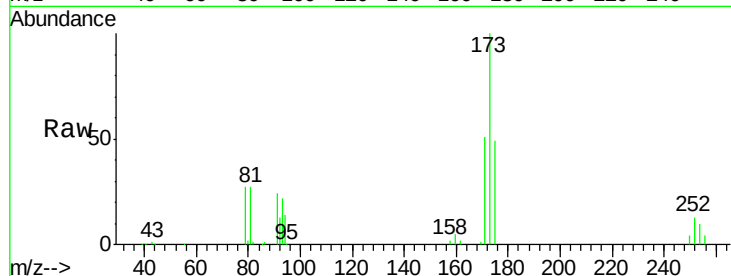
254 10.3 8.2 12.4

Manual Integrations

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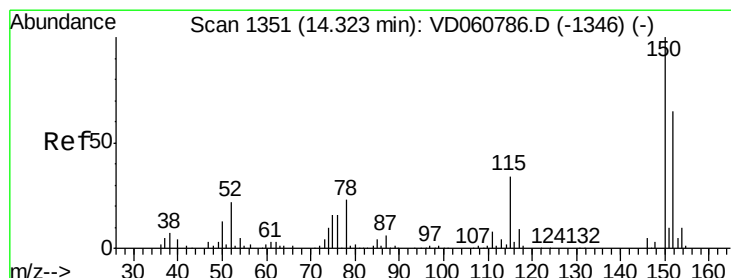
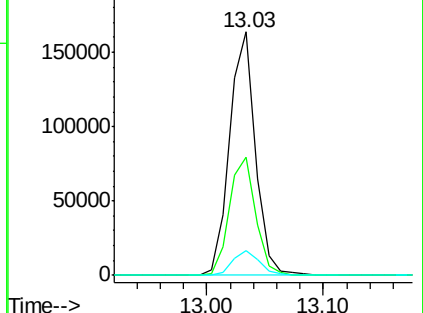
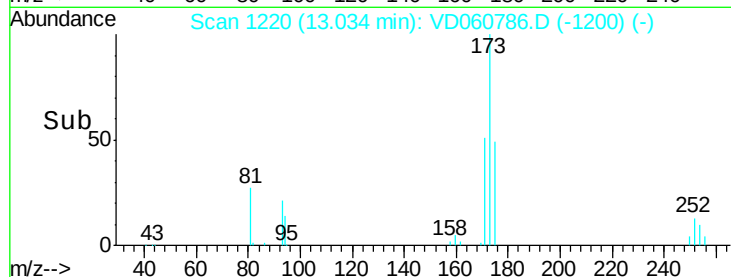
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.32 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

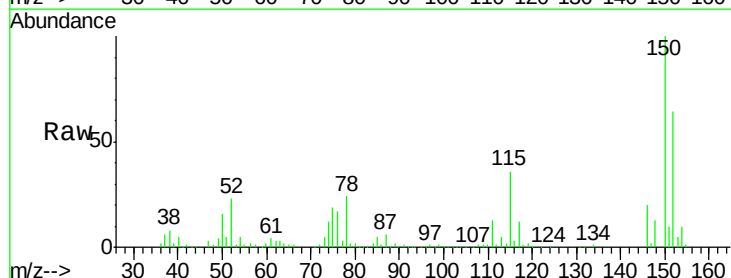
Tgt Ion:152 Resp: 381637

Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.3

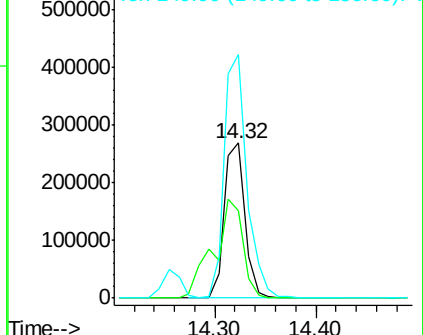
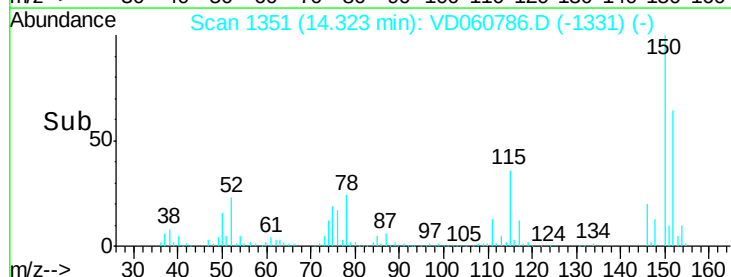
150 157.0 0.0 314.0

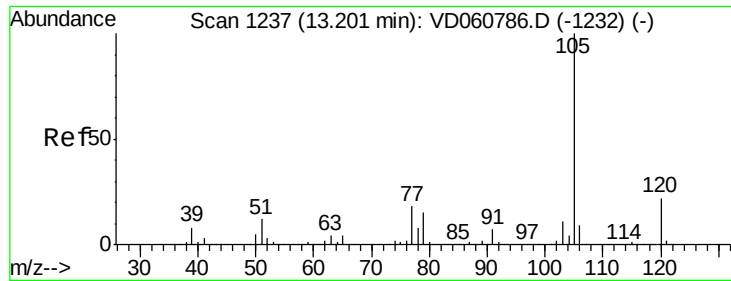


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.000 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1401298

Ion Ratio Lower Upper

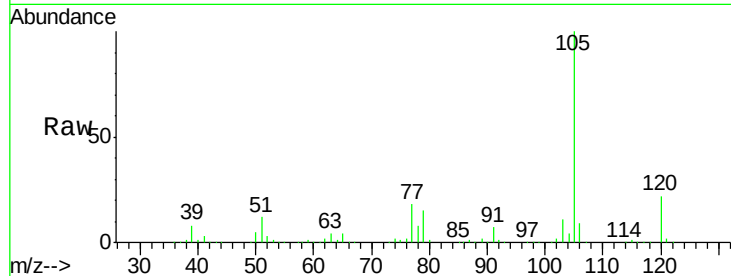
105 100

120 22.2 11.1 33.3

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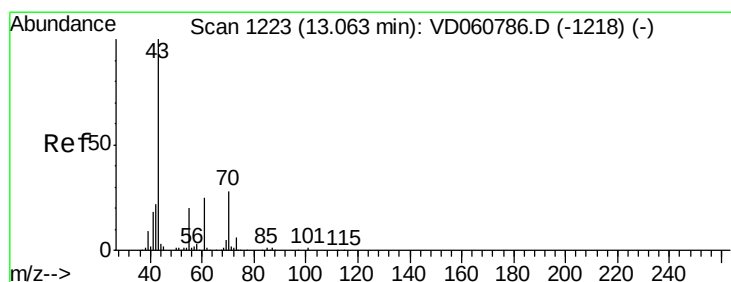
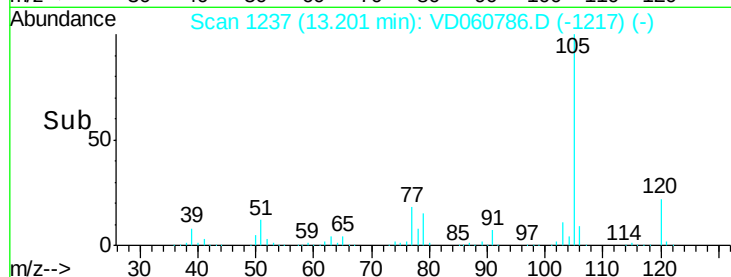
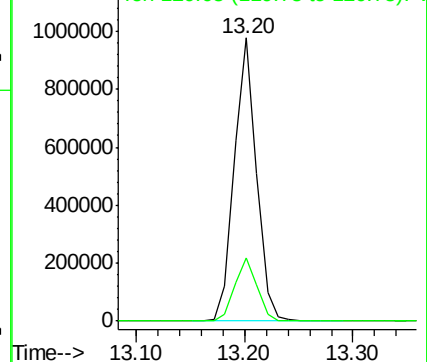
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.000 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion: 43 Resp: 443906

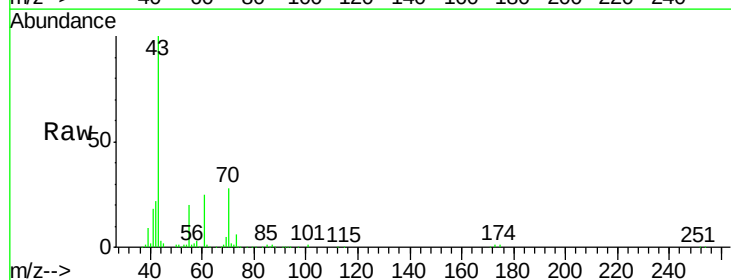
Ion Ratio Lower Upper

43 100

70 28.2 22.6 33.8

55 20.2 16.2 24.2

61 25.5 20.4 30.6

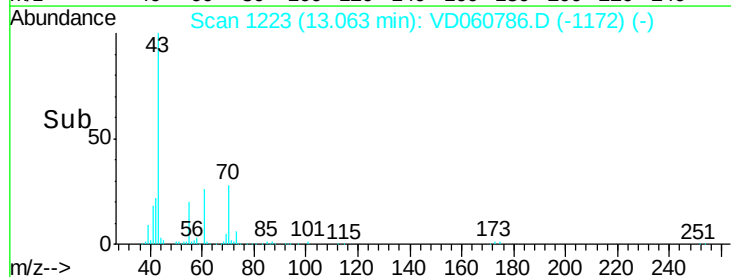
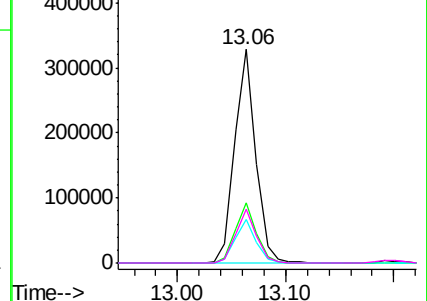


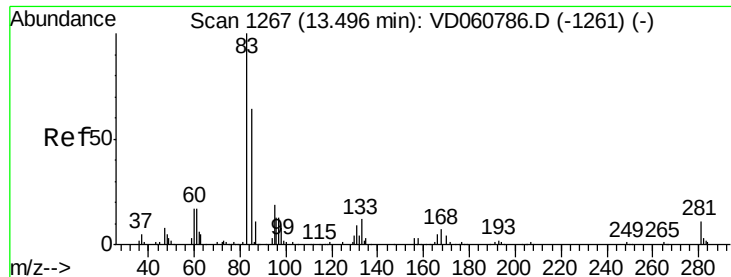
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.000 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

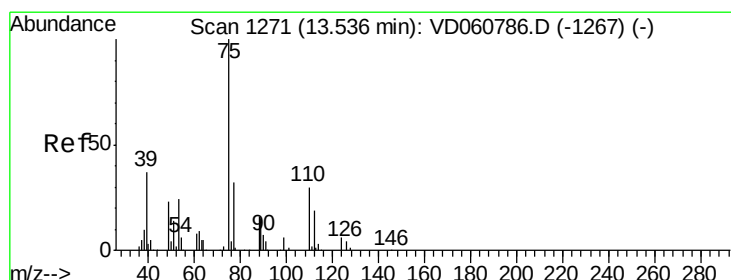
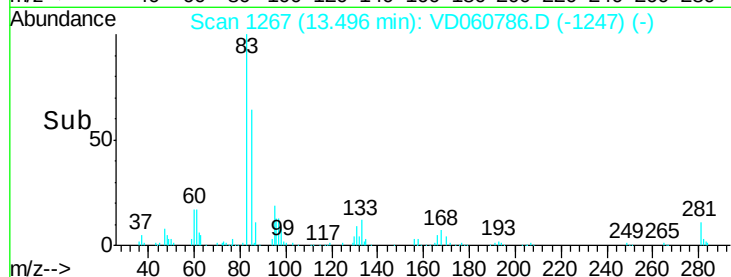
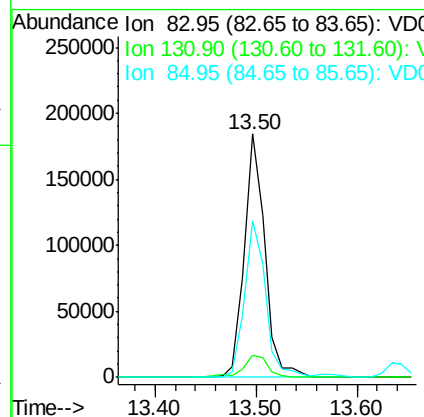
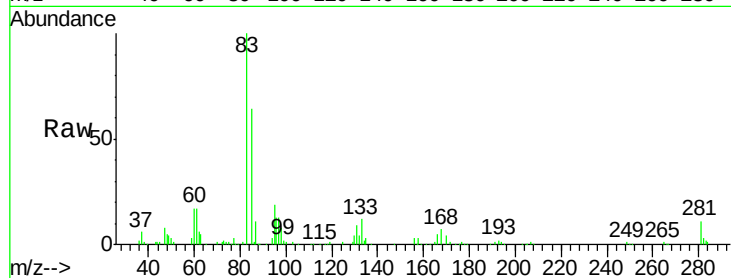
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	260369
Ion Ratio		Lower	Upper
83	100		
131	9.0	4.5	13.5
85	64.4	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.919 ug/l

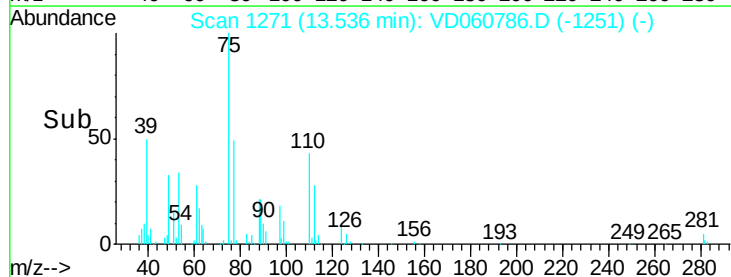
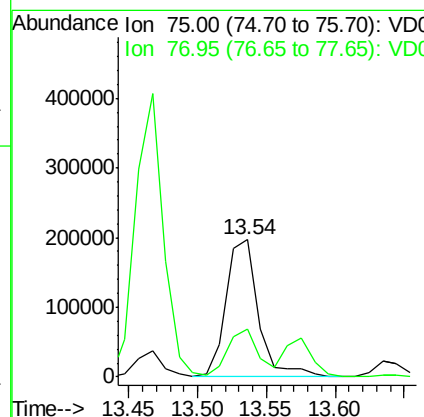
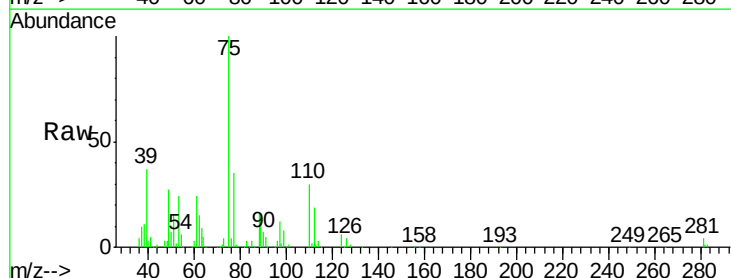
RT: 13.54 min Scan# 1271

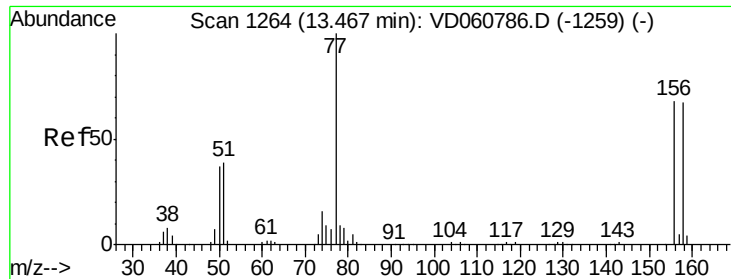
Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion:	75	Resp:	315929
Ion Ratio		Lower	Upper
75	100		
77	35.0	17.5	52.5





#77

Bromobenzene

Concen: 50.000 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

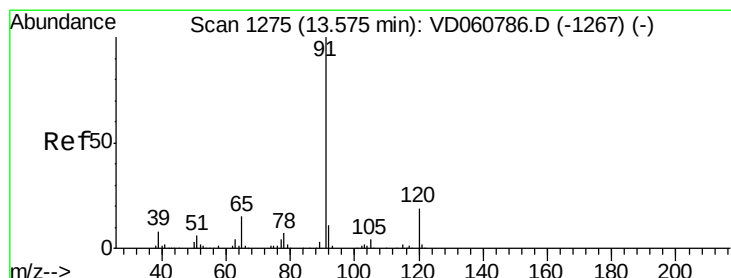
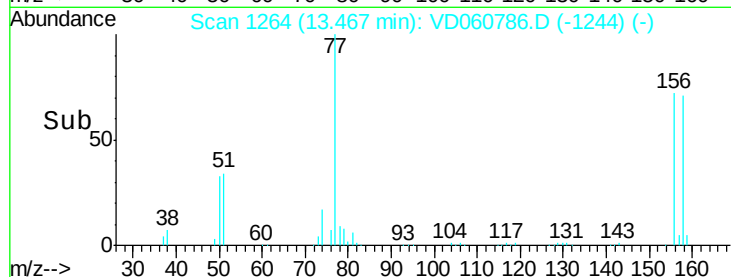
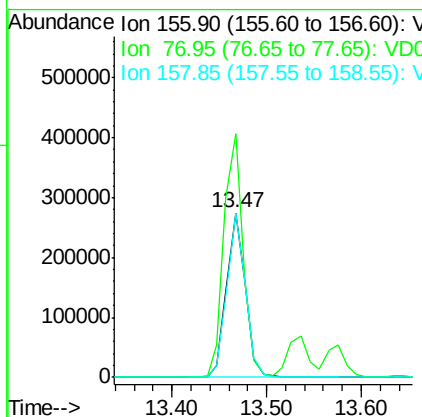
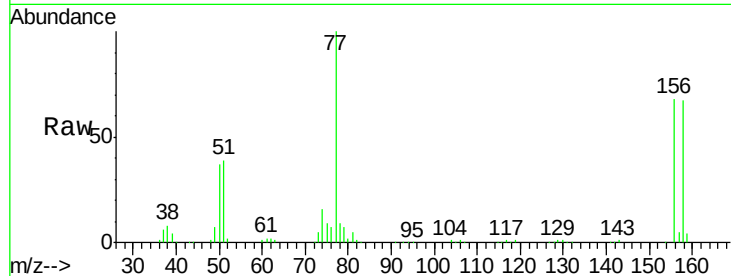
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	148.0	74.0	222.0	
158	99.5	49.8	149.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 50.000 ug/l

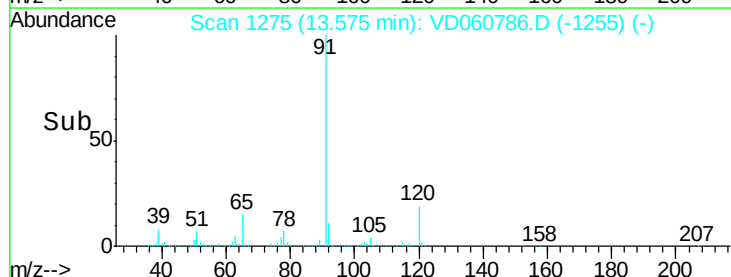
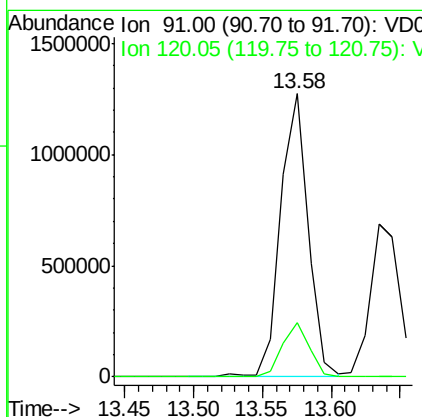
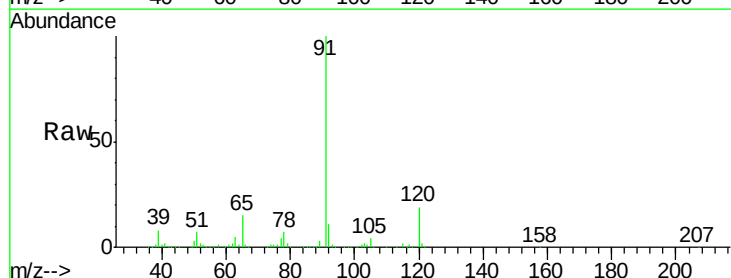
RT: 13.58 min Scan# 1275

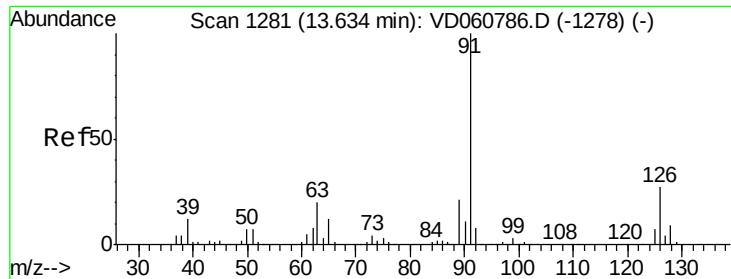
Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	19.3	9.7	28.9	





#79

2-Chlorotoluene

Concen: 50.000 ug/l

RT: 13.63 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1018676

Ion Ratio Lower Upper

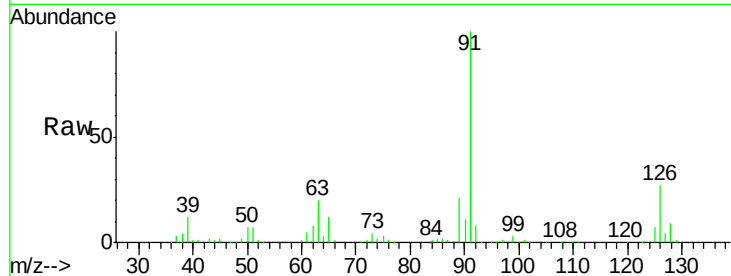
91 100

126 26.7 13.4 40.1

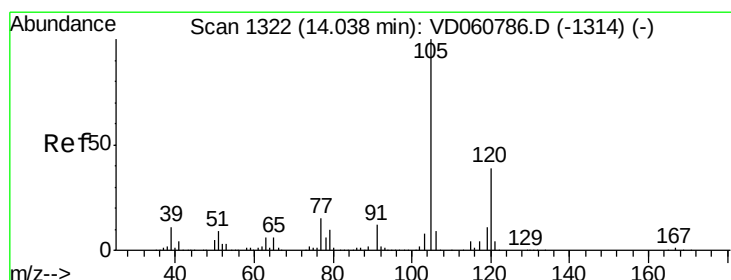
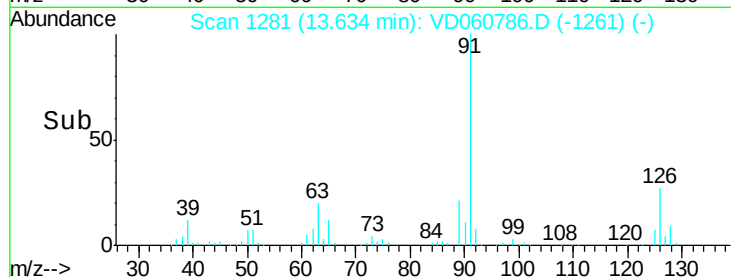
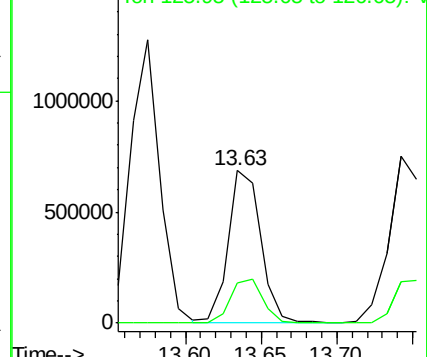
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD060786.D (-1278) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.000 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060786.D

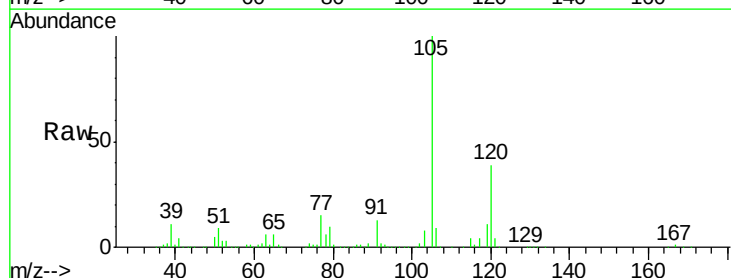
Acq: 23 Jan 2019 17:06

Tgt Ion:105 Resp: 1199555

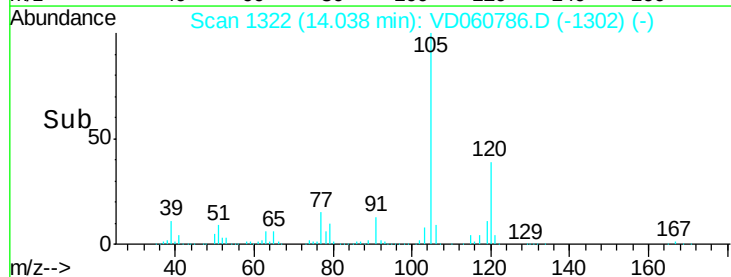
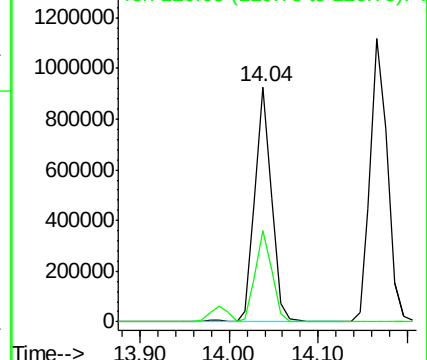
Ion Ratio Lower Upper

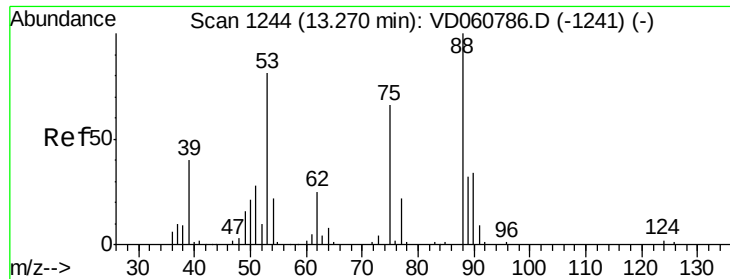
105 100

120 39.0 19.5 58.5



Abundance Ion 105.05 (104.75 to 105.75): VD060786.D (-1314) (-)





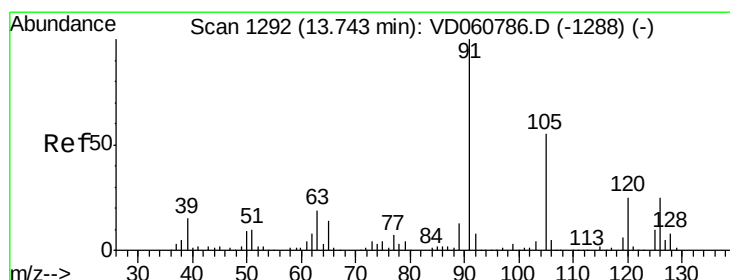
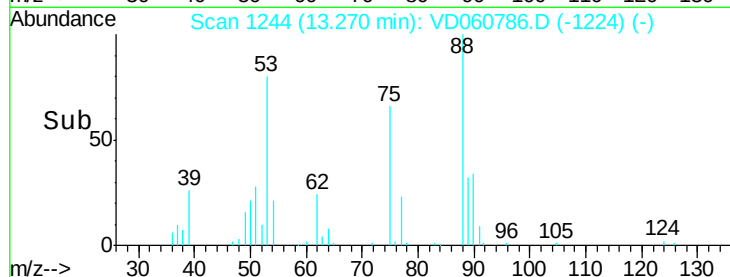
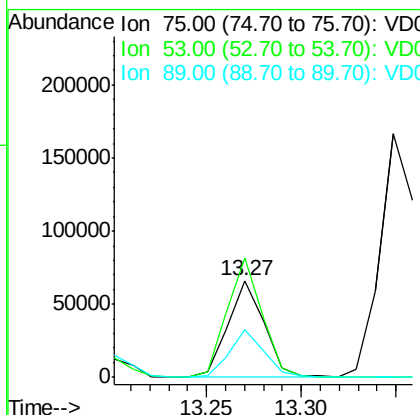
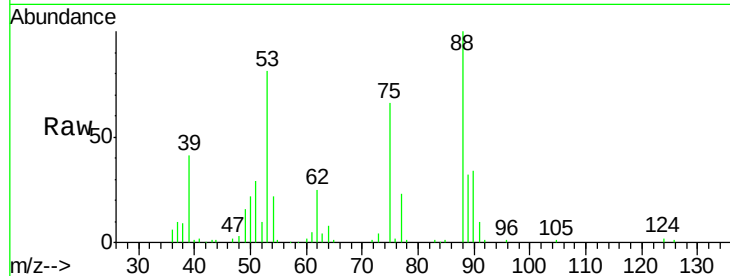
#81
trans-1,4-Dichloro-2-butene
Concen: 50.000 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.8	99.0	148.6
89	49.4	39.5	59.3

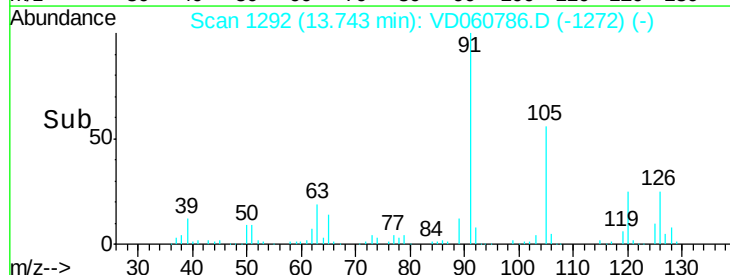
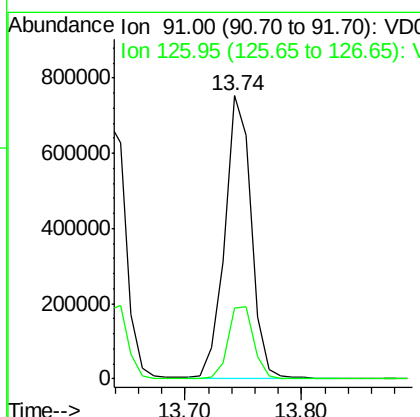
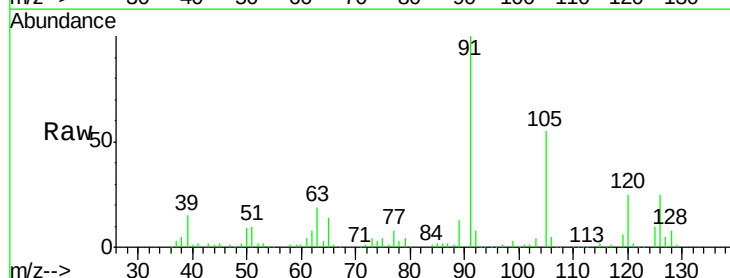
Manual Integrations
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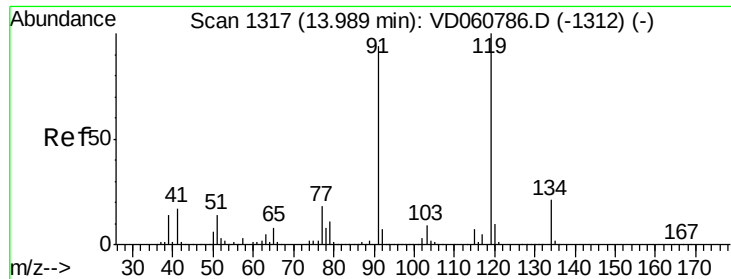
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.000 ug/l
RT: 13.74 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	25.0	12.5	37.5





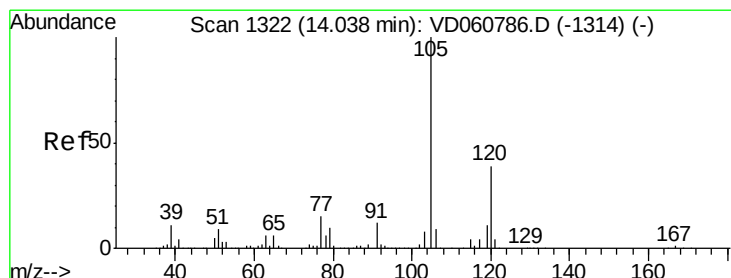
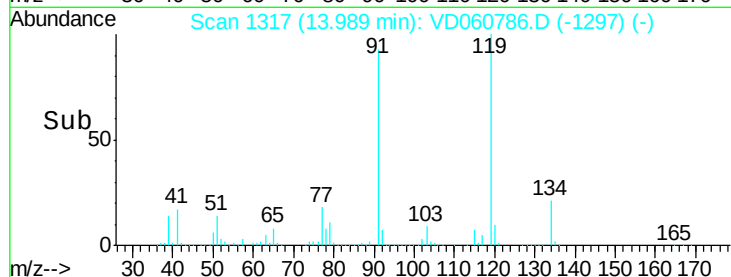
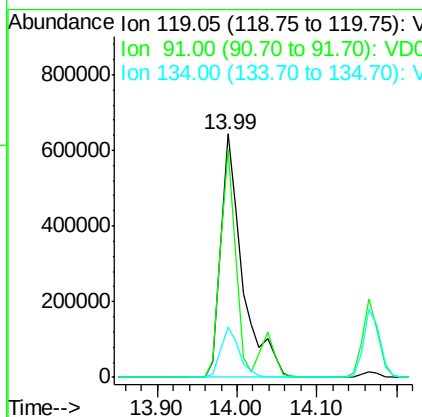
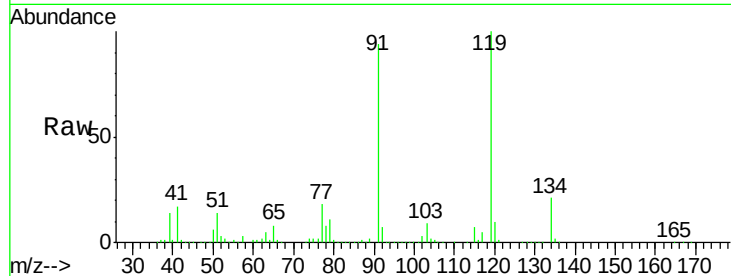
#83
tert-Butylbenzene
Concen: 50.000 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:119 Resp: 1233939
Ion Ratio Lower Upper
119 100
91 93.8 46.9 140.7
134 20.6 10.3 30.9

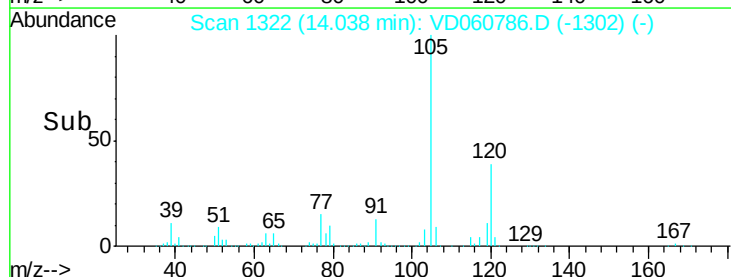
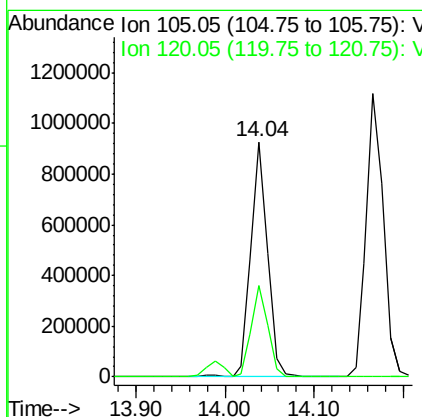
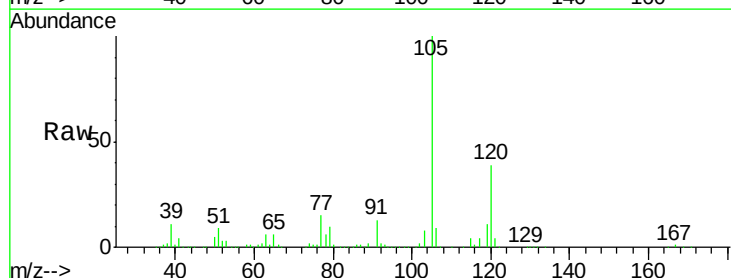
Manual Integrations
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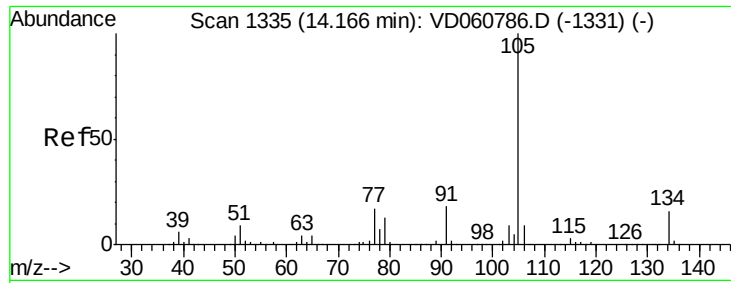
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#84
1,2,4-Trimethylbenzene
Concen: 50.000 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion:105 Resp: 1199555
Ion Ratio Lower Upper
105 100
120 39.0 19.5 58.5





#85

sec-Butylbenzene

Concen: 50.000 ug/l

RT: 14.17 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1502906

Ion Ratio Lower Upper

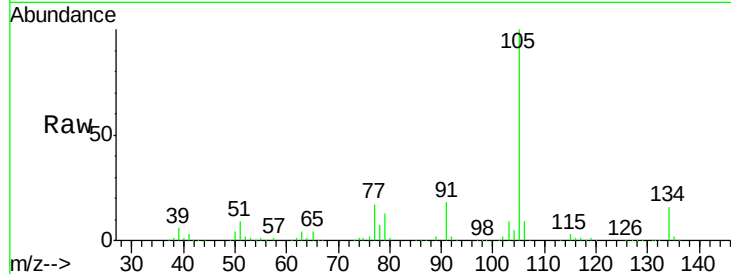
105 100

134 16.1 8.1 24.1

Manual Integrations
APPROVED

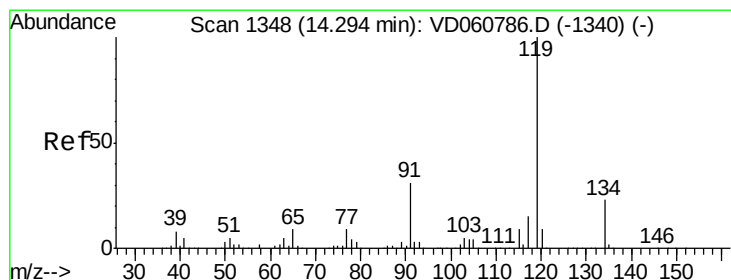
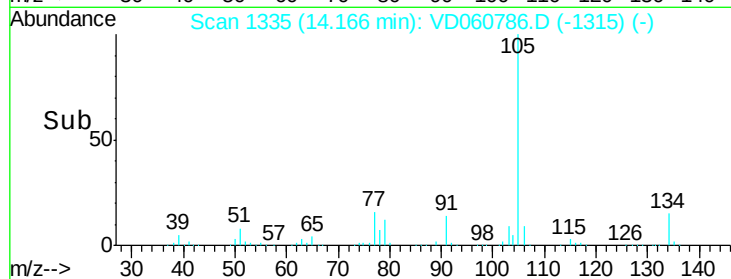
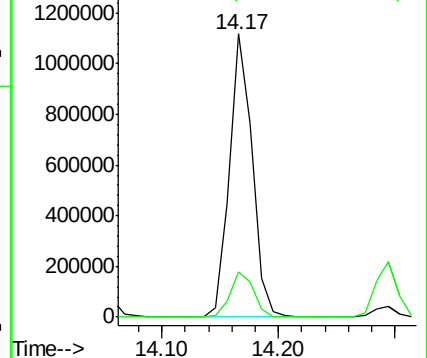
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.000 ug/l

RT: 14.29 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

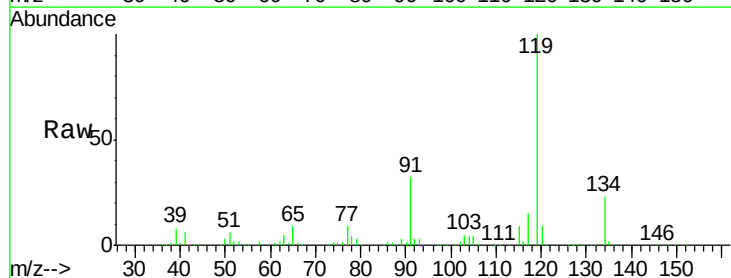
Tgt Ion:119 Resp: 1236614

Ion Ratio Lower Upper

119 100

134 22.8 11.4 34.2

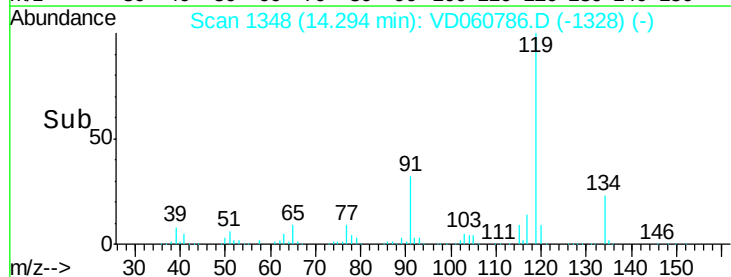
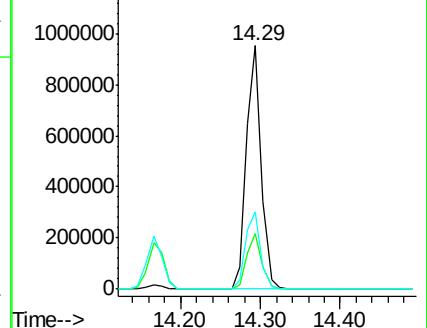
91 31.6 15.8 47.4

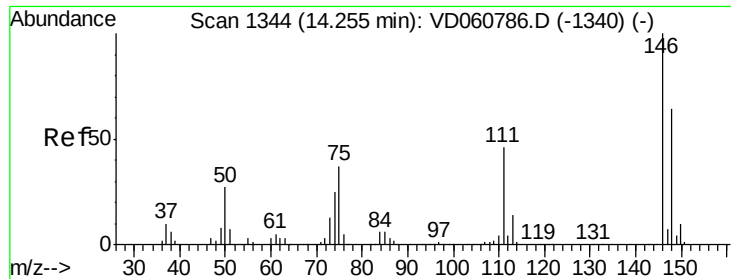


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.000 ug/l

RT: 14.25 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Instrument :

MSVOA_D

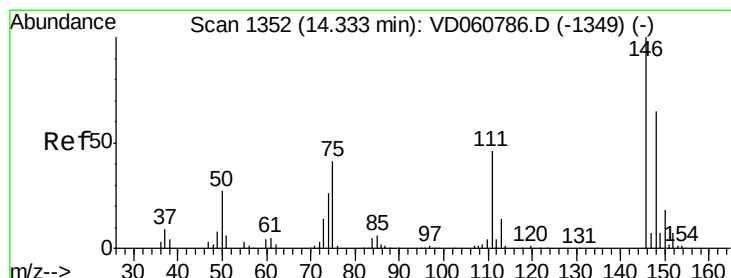
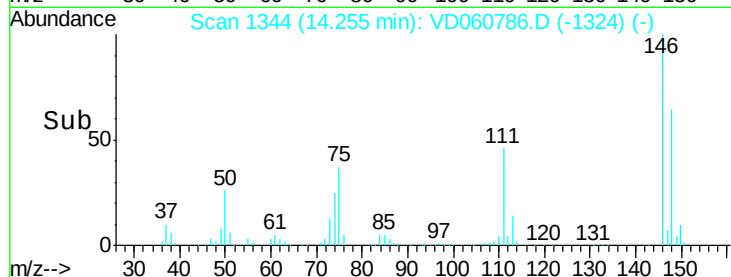
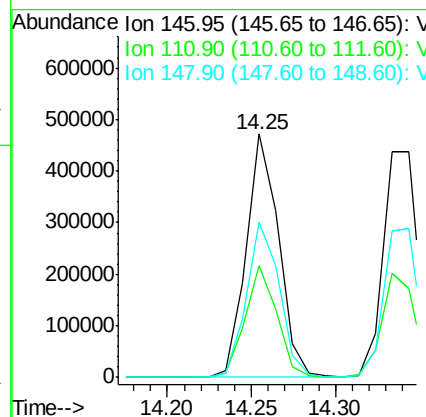
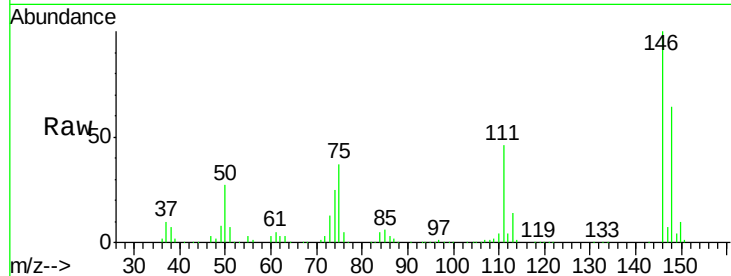
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	629863
Ion Ratio	Lower	Upper	
146	100		
111	45.7	22.9	68.5
148	63.7	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.000 ug/l

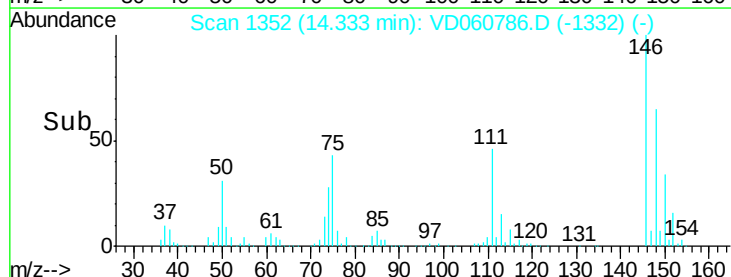
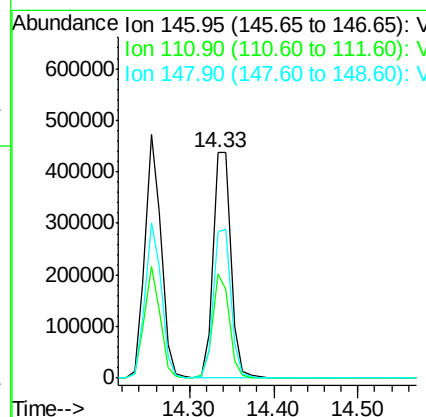
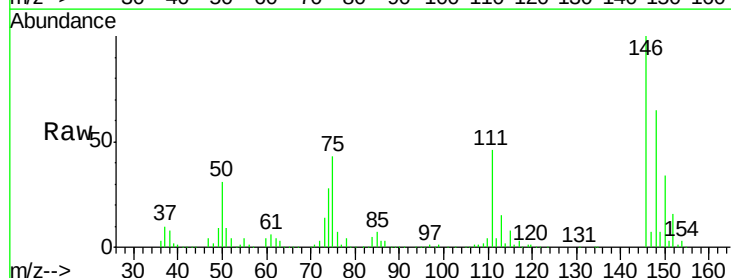
RT: 14.33 min Scan# 1352

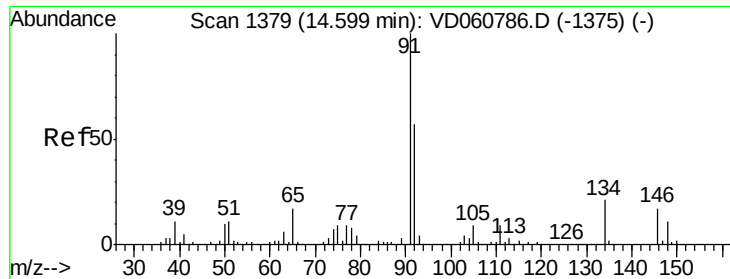
Delta R.T. 0.00 min

Lab File: VD060786.D

Acq: 23 Jan 2019 17:06

Tgt Ion:	146	Resp:	644759
Ion Ratio	Lower	Upper	
146	100		
111	46.0	23.0	69.0
148	64.6	32.3	96.9





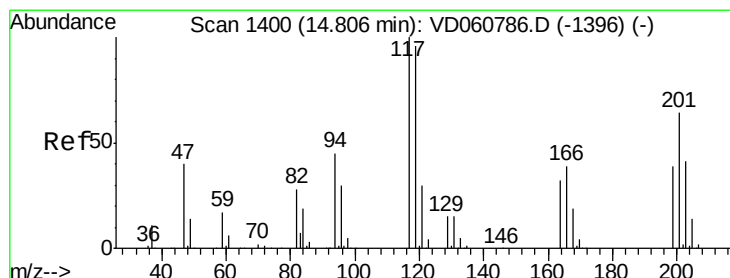
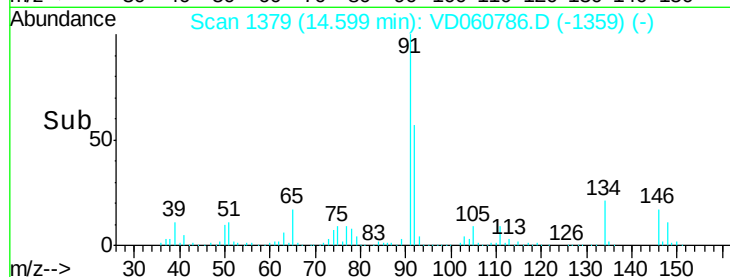
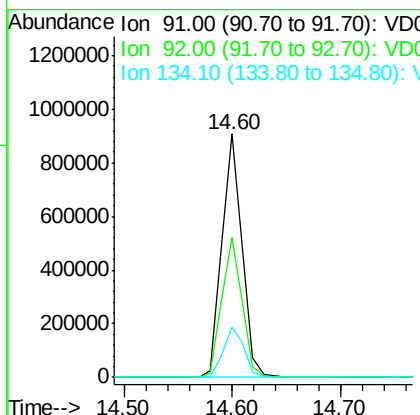
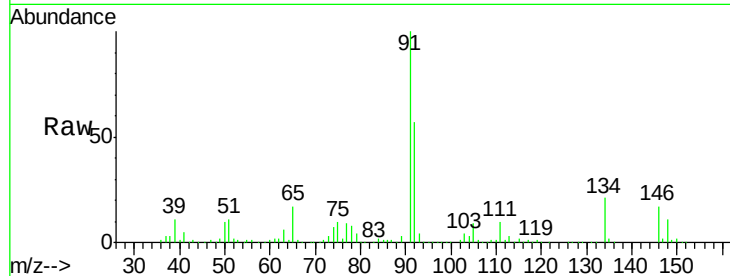
#89
n-Butylbenzene
Concen: 50.000 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1162630
Ion Ratio Lower Upper
91 100
92 57.3 28.6 85.9
134 20.7 10.4 31.1

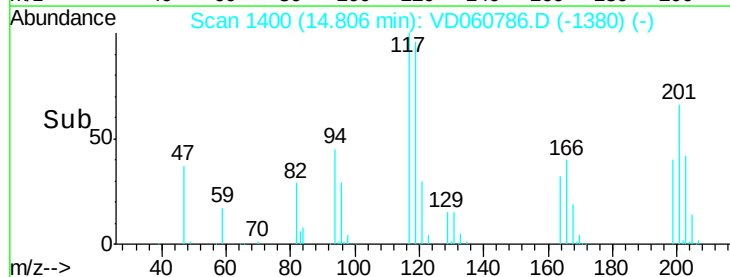
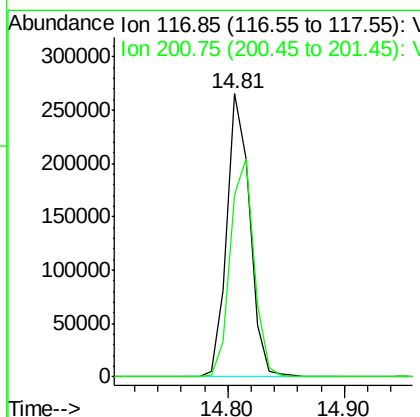
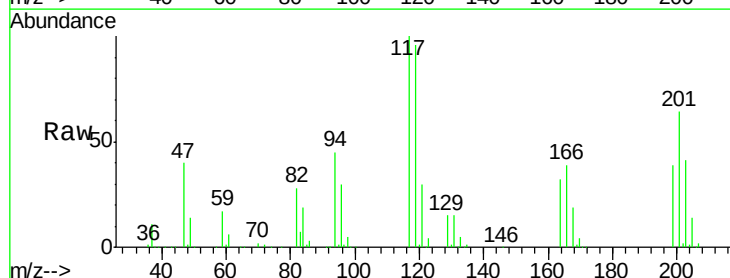
Manual Integrations
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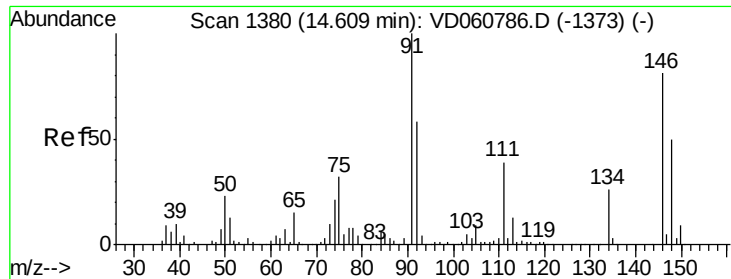
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#90
Hexachloroethane
Concen: 50.000 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion: 117 Resp: 363348
Ion Ratio Lower Upper
117 100
201 64.3 32.1 96.5





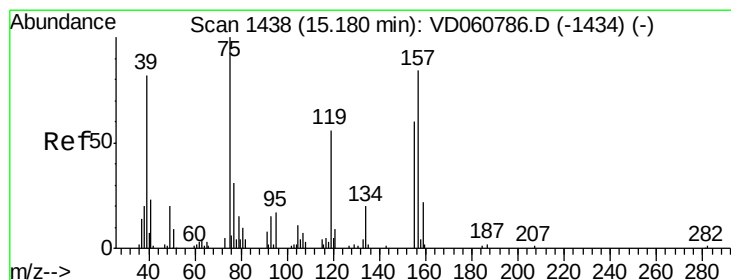
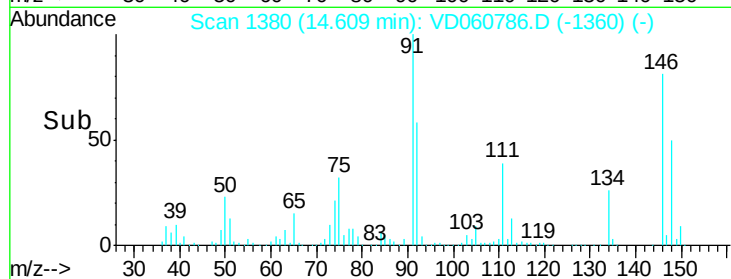
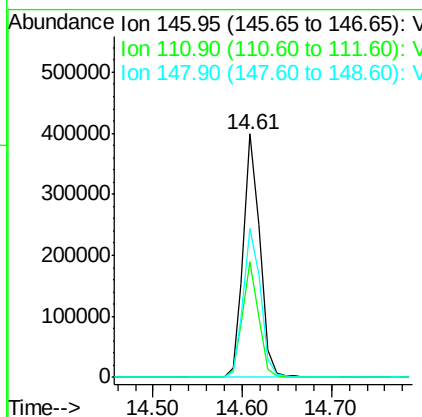
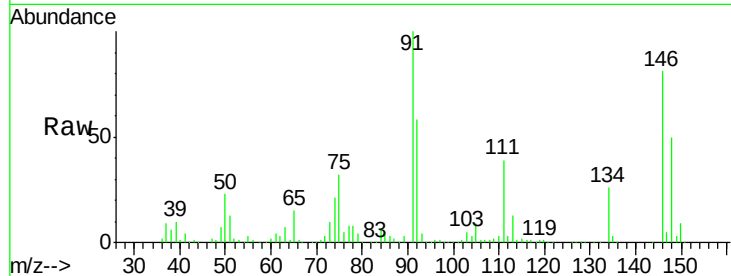
#91
 1,2-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	61.3	30.6	92.0

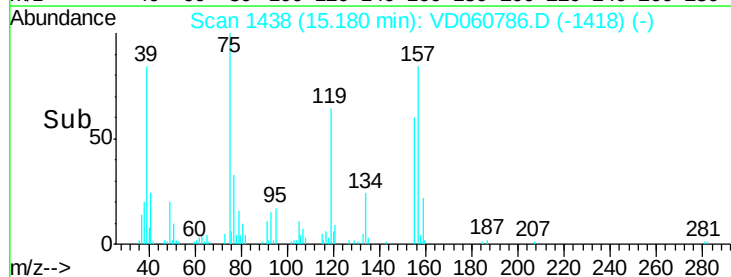
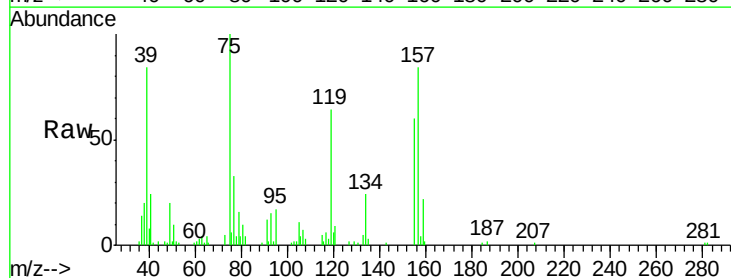
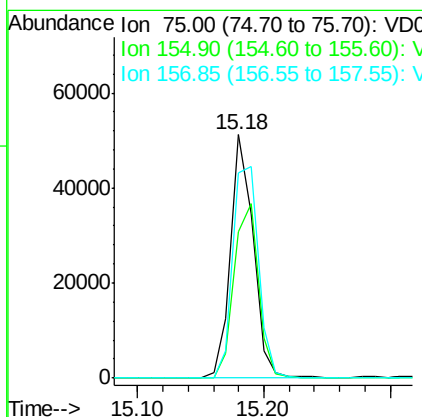
Manual Integrations
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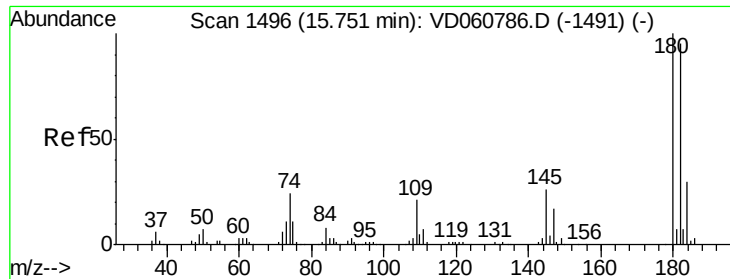
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.000 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.0	30.0	90.0
157	84.2	42.1	126.3





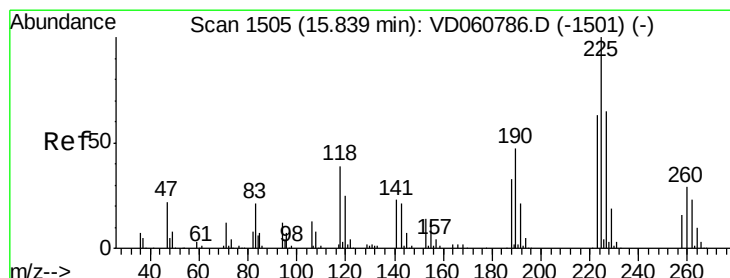
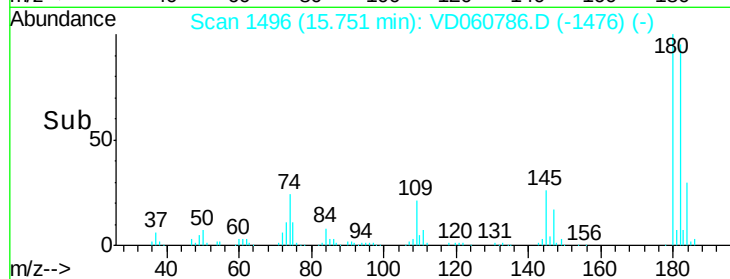
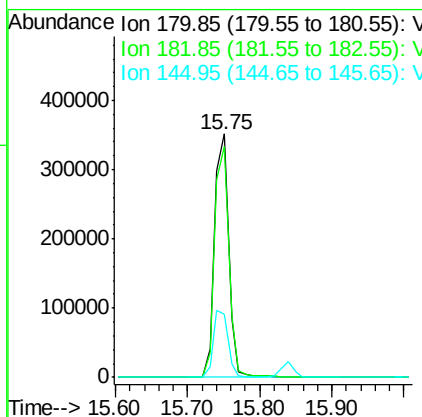
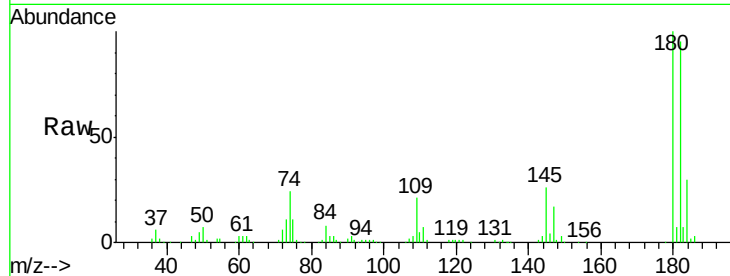
#93
 1,2,4-Trichlorobenzene
 Concen: 50.075 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	26.0	13.0	39.0

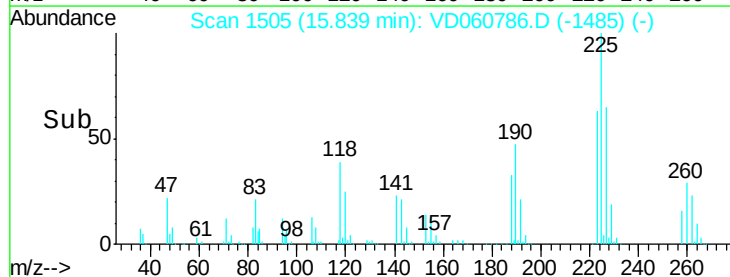
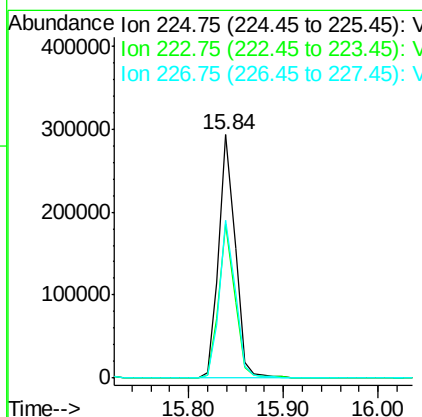
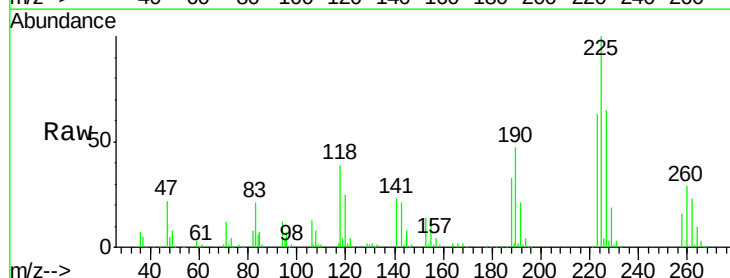
Manual Integrations
 APPROVED

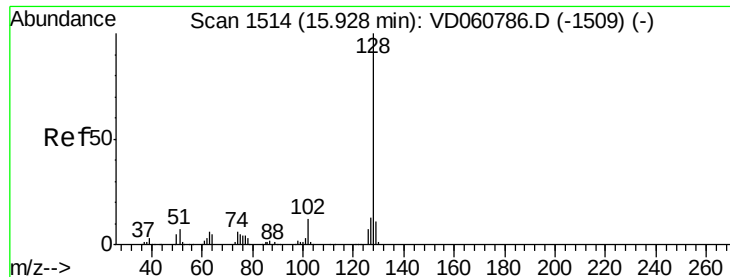
MMDadoda
 1/24/2019 12:49:36 PM



#94
 Hexachlorobutadiene
 Concen: 50.000 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060786.D
 Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	94.8
227	65.1	32.6	97.7





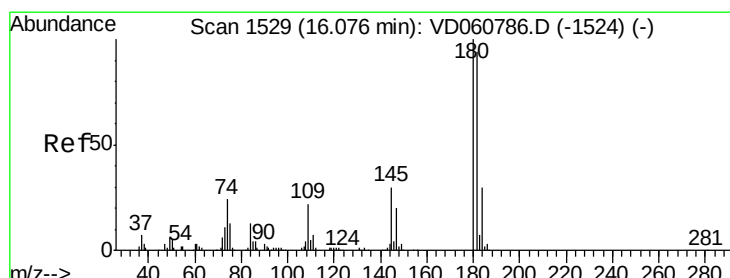
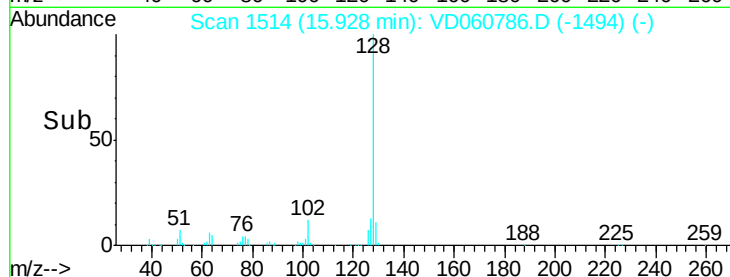
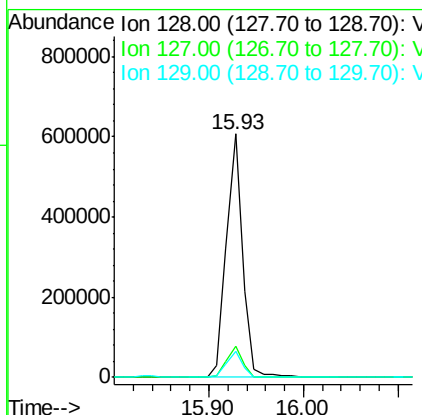
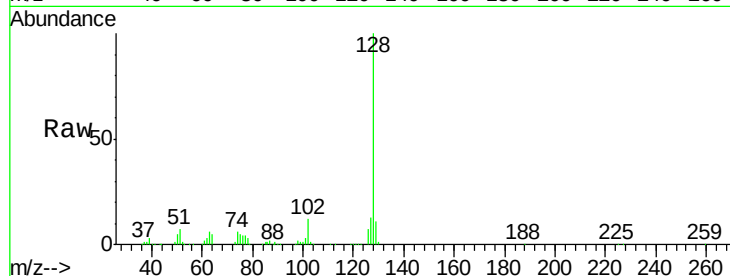
#95
Naphthalene
Concen: 50.000 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/24/2019 12:49:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.000 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060786.D
Acq: 23 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	29.7	14.9	44.5

